

# Jenny PhD

View Online



---

1.

Aresta M, Pedro L, Santos C, Moreira A. Portraying the self in online contexts: context-driven and user-driven online identity profiles. *Contemporary Social Science*. 2015 Jan 2;10(1):70–85.

2.

Gedeon P, Khalil L. Management of the Transition to e-Learning in Higher Education Based on Competence Quotient. *Procedia Computer Science*. 2015;65:324–332.

3.

Leathwood C, O'Connell P. 'It's a struggle': the construction of the 'new student' in higher education. *Journal of Education Policy*. 2003 Dec;18(6):597–615.

4.

Leese M. Bridging the gap: supporting student transitions into higher education. *Journal of Further and Higher Education*. 2010 May;34(2):239–251.

5.

Luzón MJ. Constructing academic identities online: Identity performance in research group blogs written by multilingual scholars. *Journal of English for Academic Purposes*. 2018 May;33:24–39.

6.

Moss T, Pittaway S. Student identity construction in online teacher education: a narrative life history approach. *International Journal of Qualitative Studies in Education*. 2013 Sep;26(8):1004–1018.

7.

Oztok M. Tacit knowledge in online learning: community, identity, and social capital. *Technology, Pedagogy and Education*. 2013 Mar;22(1):21–36.

8.

Peachey A, Childs M, SpringerLink (Online service). *Reinventing ourselves: contemporary concepts of identity in virtual worlds* [Internet]. London: Springer-Verlag; 2011. Available from: <https://ezproxy.lib.gla.ac.uk/login?url=https://dx.doi.org/10.1007/978-0-85729-361-9>

9.

Phirangee K, Malec A. Othering in online learning: an examination of social presence, identity, and sense of community. *Distance Education*. 2017 May 4;38(2):160–172.

10.

Ragusa AT, Crampton A. Sense of connection, identity and academic success in distance education: sociologically exploring online learning environments. *Rural Society*. 2018 May 4;27(2):125–142.

11.

Scanlon L, Rowling L, Weber Z. 'You don't have like an identity ... you are just lost in a crowd': Forming a Student Identity in the First-year Transition to University. *Journal of Youth Studies*. 2007 May;10(2):223–241.

12.

Swenson LM, Nordstrom A, Hiester M. The Role of Peer Relationships in Adjustment to College. *Journal of College Student Development*. 2008;49(6):551–567.

13.

Developing digital literacies [Internet]. Available from:  
<https://www.jisc.ac.uk/guides/developing-digital-literacies>

14.

Beetham H, McGill L, Littlejohn A. Thriving in the 21st century: Learning Literacies for the Digital Age (LLiDA project): Executive Summary, Conclusions and Recommendations. The Open University; 2009; Available from:  
<http://oro.open.ac.uk/52237/1/llidaexecsumjune2009.pdf>

15.

Bennett L. Learning from the early adopters: developing the Digital Practitioner. Research in Learning Technology. 2014 Jul 24;22.

16.

Beetham H, Sharpe R. Rethinking pedagogy for a digital age: designing for 21st century learning. 2nd ed. New York: Routledge; 2013.

17.

This is Me RU Digitally Ready? Home of Digital Literacy and Digital Identity learning materials [Internet]. University of Reading; Available from:  
<http://blogs.reading.ac.uk/this-is-me/>

18.

Lowe H, Cook A. Mind the Gap: Are students prepared for higher education? Journal of Further and Higher Education. 2003 Feb;27(1):53-76.

19.

Becker HS, ProQuest (Firm). Outsiders: studies in the sociology of deviance [Internet]. Free Press trade paperback edition. New York, NY: Free Press; 2018. Available from:  
<https://ebookcentral.proquest.com/lib/gla/detail.action?docID=4934644>

20.

Ahmed H, Allaf M, Elghazaly H. COVID-19 and medical education. *The Lancet Infectious Diseases*. 2020 Jul;20(7):777–778.

21.

Azar AJ, Khamis AH, Naidoo N, Lindsbro M, Boukhaled JH, Gonuguntla S, Davis D, Banerjee Y. Design, Implementation and Evaluation of a Distance Learning Framework to Expedite Medical Education during COVID-19 pandemic: A Proof-of-Concept Study. *Journal of Medical Education and Curricular Development*. 2021 Jan;8.

22.

Mian A, Khan S. Medical education during pandemics: a UK perspective. *BMC Medicine*. 2020 Dec;18(1).

23.

Amante A, Balmer C. Italy rushes new doctors into service as coronavirus deaths rise above 2,500 [Internet]. Reuters; 2020. Available from: <https://www.reuters.com/article/us-health-coronavirus-italy-idUSKBN214245>

24.

Remuzzi A, Remuzzi G. COVID-19 and Italy: what next? *The Lancet*. 2020 Apr;395(10231):1225–1228.

25.

Stokes DC. Senior Medical Students in the COVID-19 Response: An Opportunity to Be Proactive. *Academic Emergency Medicine*. 2020 Apr;27(4):343–345.

26.

Jump P. THE Leaders Survey: Will Covid-19 leave universities in intensive care? [Internet]. THE; 2020. Available from: <https://www.timeshighereducation.com/features/leaders-survey-will-covid-19-leave-universities-intensive-care>

27.

Jesionkowska J, Wild F, Fominykh M, Molka-Danielsen J. Pandemic-Induced Constraints on Rapid Transformation to Digital Education. CEUR workshop proceedings; 2020; Available from: <http://ceur-ws.org/Vol-2676/paper3.pdf>

28.

Barber M. Gravity assist Propelling higher education towards a brighter future [Internet]. Office for students; 2021. Available from: <https://www.officeforstudents.org.uk/publications/gravity-assist-propelling-higher-education-towards-a-brighter-future/>

29.

Sahu P. Closure of Universities Due to Coronavirus Disease 2019 (COVID-19): Impact on Education and Mental Health of Students and Academic Staff. Cureus [Internet]. Cureus; 2020 Apr 4; Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7198094/>

30.

Learning and teaching reimagined [Internet]. JISC; 2020. Available from: <https://www.jisc.ac.uk/sites/default/files/ltr-report-change-and-challenge-for-students-staff-and-leaders-aug-2020.pdf>

31.

Hollander JE, Carr BG. Virtually Perfect? Telemedicine for Covid-19. New England Journal of Medicine. 2020 Apr 30;382(18):1679–1681.

32.

Timeline: WHO's COVID-19 response [Internet]. The World Health Organization; 2019. Available from: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/interactive-timeline#event-0>

33.

MacKay M. COVID-19 response: EdTech expertise strengthening remote learning transition. Imperial College London; 2020; Available from: <https://www.imperial.ac.uk/news/196253/covid-19-response-edtech-expertise-strengthening-remote/>

34.

Aspinall E. 08 Apr COVID-19 Timeline [Internet]. British Foreign Policy Group; Available from: <https://bfpg.co.uk/2020/04/covid-19-timeline/>

35.

Coronavirus [Internet]. World Health Organization; Available from: [https://www.who.int/health-topics/coronavirus#tab=tab\\_1](https://www.who.int/health-topics/coronavirus#tab=tab_1)

36.

Ravi R. Lockdown of colleges and universities due to COVID-19: Any impact on the educational system in India? *Journal of Education and Health Promotion*. 2020;9(1).

37.

Rajab MH, Gazal AM, Alkattan K. Challenges to Online Medical Education During the COVID-19 Pandemic. *Cureus*. 2020 Jul 2;

38.

Mahdy MAA. The Impact of COVID-19 Pandemic on the Academic Performance of Veterinary Medical Students. *Frontiers in Veterinary Science*. 2020 Oct 6;7.

39.

Mohamed Atwa H, Ahmed S, Kamel Shehata M, Wells R, Ahmed Amin H. Step-by-step guide to managing the educational crisis: Lessons learned from COVID-19 pandemic. *Journal of Microscopy and Ultrastructure*. 2020;8(4).

40.

Barabari P, Moharamzadeh K. Novel Coronavirus (COVID-19) and Dentistry–A Comprehensive Review of Literature. *Dentistry Journal*. 2020 May 21;8(2).

41.

Ferrel MN, Ryan JJ. The Impact of COVID-19 on Medical Education. *Cureus*. 2020 Mar 31;

42.

Al-Hosan AM, AlRajeh NM, Arnout BA. The role of university teaching staff members in cognitive awareness and raising the level of health protection, value, and moral of students through the -19 pandemic. *Journal of Public Affairs*. 2020 Aug 19;

43.

Devkota KR. Inequalities reinforced through online and distance education in the age of COVID-19: The case of higher education in Nepal. *International Review of Education*. 2021 Mar 3;

44.

Chandratre S. Medical Students and COVID-19: Challenges and Supportive Strategies. *Journal of Medical Education and Curricular Development*. 2020 Jan;7.

45.

Mansoor K, Cassum S, Hirji A, David A, Aijaz A. Challenges in Teaching Palliative Care Module Virtually during COVID-19 Era. *Asia-Pacific Journal of Oncology Nursing*. 2020;7(4).

46.

Akers A, Blough C, Iyer MS. COVID-19 Implications on Clinical Clerkships and the Residency Application Process for Medical Students. *Cureus*. 2020 Apr 23;

47.

Drea J. Online? In Person? The Power of Letting Students Choose. Harvard Business Publishing Education; 2021; Available from: <https://hbsp.harvard.edu/inspiring-minds/online-in-person-the-power-of-letting-students-choose?>

48.

Lim EC, Oh VM, Koh D, Seet RC. The Challenges of "Continuing Medical Education" in a Pandemic Era. *Ann Acad Med Singap*; 2009;38(8):724–726. Available from: <https://www.annals.edu.sg/pdf/38VolNo8Aug2009/V38N8p724.pdf>

49.

Severe Acute Respiratory Syndrome (SARS) [Internet]. World Health Organization; 2003. Available from: [https://www.who.int/health-topics/severe-acute-respiratory-syndrome#tab=tab\\_1](https://www.who.int/health-topics/severe-acute-respiratory-syndrome#tab=tab_1)

50.

Education: From disruption to recovery [Internet]. UNESCO; 2020. Available from: <https://en.unesco.org/covid19/educationresponse>

51.

Gewin V. Five tips for moving teaching online as COVID-19 takes hold. *Nature*. 2020 Apr 9;580(7802):295–296.

52.

Lau J, Dasgupta BYR. Will the coronavirus make online education go viral? *Times Higher Education*; 2020; Available from: <https://www.timeshighereducation.com/features/will-coronavirus-make-online-education-go-viral>

53.

Murphy B. COVID-19: How the virus is impacting medical schools. *American Medical Association*; 2020; Available from: <https://www.ama-assn.org/delivering-care/public-health/covid-19-how-virus-impacting-medical-schools>



54.

Pareek M, Bangash MN, Pareek N, Pan D, Sze S, Minhas JS, Hanif W, Khunti K. Ethnicity and COVID-19: an urgent public health research priority. *The Lancet*. 2020 May;395(10234):1421–1422.

55.

Nordmann E, Horlin C, Hutchison J, Murray JA, Robson L, Seery MK, MacKay JRD. 10 simple rules for supporting a temporary online pivot in higher education. *PsyARXiv Preprints*; 27AD; Available from: <https://psyarxiv.com/qdh25>

56.

Peto J, Alwan NA, Godfrey KM, Burgess RA, Hunter DJ, Riboli E, Romer P, Buchan I, Colbourn T, Costelloe C, Davey Smith G, Elliott P, Ezzati M, Gilbert R, Gilthorpe MS, Foy R, Houlston R, Inskip H, Lawlor DA, Martineau AR, McGrath N, McCoy D, Mckee M, McPherson K, Orcutt M, Pankhania B, Pearce N, Peto R, Phillips A, Rahi J, Roderick P, Saxena S, Wilson A, Yao GL. Universal weekly testing as the UK COVID-19 lockdown exit strategy. *The Lancet*. 2020 May;395(10234):1420–1421.

57.

Horton R. Offline: CoHERE—a call for a post-pandemic health strategy. *The Lancet*. 2020 Apr;395(10232).

58.

Dill E, Fischer K, McMurtrie B, Supiano b. As Coronavirus Spreads, the Decision to Move Classes Online Is the First Step. What Comes Next? *The Chronicle of Higher Education*; 2020; Available from: <https://www.chronicle.com/article/as-coronavirus-spreads-the-decision-to-move-classes-online-is-the-first-step-what-comes-next/>

59.

Prati C, Pelliccioni GA, Sambri V, Chersoni S, Gandolfi MG. COVID-19: its impact on dental schools in Italy, clinical problems in endodontic therapy and general considerations. *International Endodontic Journal*. 2020 May;53(5):723–725.

60.

Rapanta C, Botturi L, Goodyear P, Guàrdia L, Koole M. Online University Teaching During and After the Covid-19 Crisis: Refocusing Teacher Presence and Learning Activity. *Postdigital Science and Education*. 2020 Oct;2(3):923-945.

61.

Rapanta C, Botturi L, Goodyear P, Guàrdia L, Koole M. Balancing Technology, Pedagogy and the New Normal: Post-pandemic Challenges for Higher Education. *Postdigital Science and Education*. 2021 Aug 9;

62.

Dost S, Hossain A, Shehab M, Abdelwahed A, Al-Nusair L. Perceptions of medical students towards online teaching during the COVID-19 pandemic: a national cross-sectional survey of 2721 UK medical students. *BMJ Open*. 2020 Nov;10(11).

63.

Dhawan S. Online Learning: A Panacea in the Time of COVID-19 Crisis. *Journal of Educational Technology Systems*. 2020 Sep;49(1):5-22.

64.

Amir LR, Tanti I, Maharani DA, Wimardhani YS, Julia V, Sulijaya B, Puspitawati R. Student perspective of classroom and distance learning during COVID-19 pandemic in the undergraduate dental study program Universitas Indonesia. *BMC Medical Education*. 2020 Dec;20(1).

65.

Baxter G, Hainey T. Remote learning in the context of COVID-19: reviewing the effectiveness of synchronous online delivery. *Journal of Research in Innovative Teaching & Learning*. 2022 Mar 11;

66.

Hodges C, Moore S, Lockee B, Trust T, Bond A. The Difference Between Emergency Remote Teaching and Online Learning. *Educause Review*; 2020; Available from: <https://er.educause.edu/articles/2020/3/the-difference-between-emergency-remote-teaching-and-online-learning>

67.

Knight H, Carlisle S, O'Connor M, Briggs L, Fothergill L, Al-Oraibi A, Yildirim M, Morling JR, Corner J, Ball J, Denning C, Vedhara K, Blake H. Impacts of the COVID-19 Pandemic and Self-Isolation on Students and Staff in Higher Education: A Qualitative Study. *International Journal of Environmental Research and Public Health*. 2021 Oct 12;18(20).

68.

Nurunnabi M, Almusharraf N, Aldeghaither D. Mental health and well-being during the COVID-19 pandemic in higher education: Evidence from G20 countries. *Journal of Public Health Research*. 2021 Jan 27;9(s1).

69.

Nordman E, Horlin C. Lecture recordings make for inclusive learning. *WONKHE*; 2023; Available from: <https://wonkhe.com/blogs/lecture-recordings-make-for-inclusive-learning/>

70.

Scott I. Education during -19: pivots and consequences. *The Clinical Teacher*. 2020 Aug;17(4):443-444.

71.

UNITWIN/UNESCO Chair holders institutional responses to COVID-19: preliminary results of a survey conducted in April 2020 [Internet]. UNESCO; 2020. Available from: <https://unesdoc.unesco.org/ark:/48223/pf0000377254>

72.

McPake J, Plowman L, Stephen C. Pre-school children creating and communicating with digital technologies in the home. *British Journal of Educational Technology*. 2013 May;44(3):421-431.

73.

Digital Education Virtual Graduation, November 2017 [Internet]. University of Edinburgh media hopper Create; 2017. Available from: [https://media.ed.ac.uk/media/Digital+Education+Virtual+Graduation%2C+November+2017/1\\_3uyjbjw](https://media.ed.ac.uk/media/Digital+Education+Virtual+Graduation%2C+November+2017/1_3uyjbjw)

74.

Burke L. Virtual Classes in a Virtual World. Inside Higher Ed; 22AD; Available from: <https://www.insidehighered.com/digital-learning/article/2019/11/22/stanford-conducts-classes-virtual-world>

75.

Mon L. A Virtual Graduation Ceremony for Online Distance Students. EDUCAUSE Review; 15AD; Available from: <https://er.educause.edu/articles/2010/12/a-virtual-graduation-ceremony-for-online-distance-students>

76.

Westbrook V. The virtual learning future. Teaching in Higher Education. 2006 Oct;11(4):471-482.

77.

Digital multimedia sharing in virtual worlds [Internet]. Google Patents; Available from: <https://patents.google.com/patent/US20090106671A1/en>

78.

Zauber Z. Graduation for University of Washington Certificate in Virtual Worlds [Internet]. 3AD. Available from: <https://zinniazauber.wordpress.com/2009/09/03/graduation-for-university-of-washington-certificate-in-virtual-worlds/>

79.

University of Edinburgh - Virtual Graduation Ceremonies [Internet]. 2009. Available from: <http://vue.ed.ac.uk/graduation.html>

80.

Graduates Start a New Life via Second Life [Internet]. 2010. Available from: <https://online.bryantstratton.edu/slgraduation/>

81.

ETEC Virtual Graduation in Second Life [Internet]. 2013. Available from: <https://coe.hawaii.edu/about/events/2013/04/etec-virtual-graduation-second-life>

82.

Feddy K. 'Virtual' graduation ceremony [Internet]. Manchester Evening News; 27AD. Available from: <https://www.manchestereveningnews.co.uk/news/uk-news/virtual-graduation-ceremony-910609>  
<https://www.manchestereveningnews.co.uk/news/uk-news/virtual-graduation-ceremony-910609>

83.

Voyager D. 2019 Mobile Apps For Second Life [Internet]. 30AD. Available from: <https://danielvoyager.wordpress.com/2019/01/30/2019-mobile-apps-for-second-life/>

84.

Burke L. Virtual Classes in a Virtual World [Internet]. Inside Higher Ed; 22AD. Available from: <https://www.insidehighered.com/digital-learning/article/2019/11/22/stanford-conducts-classes-virtual-world>

85.

Klink JL, Byars-Winston A, Bakken LL. Coping efficacy and perceived family support: potential factors for reducing stress in premedical students. *Medical Education*. 2008 Jun;42(6):572-579.

86.

Hawthorne JD. Virtual Event Attendance Systems [Internet]. Google Patents; 2006. Available from: <https://patents.google.com/patent/US20080147430A1/en>

87.

'Virtual graduation' for students [Internet]. BBC News; 2009. Available from: [http://news.bbc.co.uk/1/hi/scotland/edinburgh\\_and\\_east/8378291.stm](http://news.bbc.co.uk/1/hi/scotland/edinburgh_and_east/8378291.stm)

88.

Robot dons gown in virtual graduation ceremony [Internet]. 2018. Available from: <https://www.bbc.co.uk/news/uk-scotland-glasgow-west-46399507>

89.

Robot stands in for US student at graduation [Internet]. 2018. Available from: <https://www.bbc.co.uk/news/av/world-us-canada-44145602/robot-stands-in-for-us-student-at-graduation>

90.

Colbert S. Robots replace students at Japan graduation ceremony amid Covid-19 outbreak – video [Internet]. The Guardian; 2020. Available from: <https://www.theguardian.com/world/video/2020/apr/08/robots-replace-students-at-japan-graduation-ceremony-amid-covid-19-outbreak-video>

91.

Klempka A, Stimson A. Anonymous Communication on the Internet and Trolling. Concordia Journal of Communication Research; 1AD;1. Available from: <https://digitalcommons.csp.edu/cgi/viewcontent.cgi?article=1001&context=comjournal>

92.

Digital multimedia sharing in virtual worlds [Internet]. Google Patents; 2007. Available from: <https://patents.google.com/patent/US20090106671A1/en>

93.

Graduating Student Attends Convocation Via Robot [Internet]. George Mason University College of Education and Human Development; 2015. Available from: <https://cehd.gmu.edu/news/stories/graduating-student-attends-convocation-via-robot>

94.

Hawthorne JD. Virtual Event Attendance Systems [Internet]. Google patents; 2006. Available from: <https://patents.google.com/patent/US20080147430A1/en>

95.

Meisewnzahl M. The avatars were controlled by the few graduates who physically attended the ceremony [Internet]. Business Insider; 2020. Available from: <https://www.businessinsider.com/university-in-japan-used-robots-for-virtual-graduation-2020-4?r=US&IR=T#when-a-graduates-name-was-called-the-avatar-moved-to-the-universitys-president-omae-kenichi-who-stood-on-stage-the-graduates-face-appeared-on-the-tablet-so-they-could-experience-receiving-a-diploma-6>

96.

History of Graduation [Internet]. University of Glasgow; Available from: <https://universitystory.gla.ac.uk/history-of-graduation/>

97.

Voyager D. 2019 Mobile Apps For Second Life [Internet]. 2019. Available from: <https://danielvoyager.wordpress.com/2019/01/30/2019-mobile-apps-for-second-life/>

98.

Campbell E. Twitter trolls: time for academics to fight back? [Internet]. Times Higher Education; 8AD. Available from: <https://www.timeshighereducation.com/blog/twitter-trolls-time-academics-fight-back>

99.

Tattersall A. Don't be a giraffe – How to avoid trolls on academic social media [Internet]. The London School of Economics and Political Science; 8AD. Available from: <https://blogs.lse.ac.uk/impactofsocialsciences/2019/04/08/dont-be-a-giraffe-how-to-avoid-trolls-on-academic-social-media/>

100.

Clarke T. Social Media Trolls: A Practical Guide for Dealing With Impossible People [Internet]. Hootsuite; 28AD. Available from: <https://blog.hootsuite.com/how-to-deal-with-trolls-on-social-media/>

101.

Rackham A. Disability blogger: 'Trolls said I was too ugly for selfies, so I hit back' [Internet]. BBC; 11AD. Available from: <https://www.bbc.co.uk/news/newsbeat-49662140>

102.

Waller H. As trolls invade, Zoom vows action [Internet]. Boston Globe; 5AD. Available from: <https://www.bostonglobe.com/business/2020/04/05/trolls-invade-zoom-vows-action/G6uleGF18iSDsqyZMhQ2MO/story.html>

103.

McKenzie L. 'Zoombies' Take Over Online Classrooms [Internet]. Inside Higher Ed; 3AD. Available from: <https://www.insidehighered.com/news/2020/04/03/zoombombing-isn%E2%80%99t-going-a-way-and-it-could-get-worse>

104.

Rapid Evidence Assessment: The Prevalence and Impact of Online Trolling [Internet]. UK Government Department for Digital, Culture, Media and Sport; Available from: [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/811449/DCMS\\_REA\\_Online\\_trolling\\_.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/811449/DCMS_REA_Online_trolling_.pdf)

105.

Gibbons A. Coronavirus: Teachers warned of 'zoombombing' risk [Internet]. Tes; 2AD.



Available from: <https://www.tes.com/news/coronavirus-teachers-warned-zoombombing-risk>

106.

World Changers Welcome Brand Toolkit [Internet]. University of Glasgow; Available from: <https://www.gla.ac.uk/myglasgow/staff/brandtoolkit/universitycampaigns/worldchangerswelcome/>

107.

Students In Japan Have Been Having Their Graduation Ceremony In Minecraft Because Of Coronavirus [Internet]. Awesome Inventions; Available from: <https://www.awesomeinventions.com/graduation-ceremony-in-minecraft/>

108.

Neate R. Zoom booms as demand for video-conferencing tech grows [Internet]. The Guardian; 31AD. Available from: <https://www.theguardian.com/technology/2020/mar/31/zoom-booms-as-demand-for-video-conferencing-tech-grows-in-coronavirus-outbreak>

109.

Coronavirus: Zoom under increased scrutiny as popularity soars [Internet]. BBC News; 1AD. Available from: <https://www.bbc.co.uk/news/business-52115434>

110.

Novet J. Why Zoom has become the darling of remote workers during the COVID-19 crisis [Internet]. CNBC; 21AD. Available from: <https://www.cnbc.com/2020/03/21/why-zoom-has-become-darling-of-remote-workers-amid-covid-19-outbreak.html>

111.

Amen L. May 2020 graduates invited to virtual celebration [Internet]. University of Nebraska-Lincoln; 17AD. Available from: <https://news.unl.edu/newsrooms/today/article/may-2020-graduates-invited-to-virtual-celebration/>

112.

Favila A. Photo: 'Cyber-graduation' in Manila [Internet]. NBC News; Available from: <https://www.nbcnews.com/health/health-news/live-blog/2020-05-22-coronavirus-news-n1212671/ncrd1212851#blogHeader>

113.

Desk T. Watch: Students from the Philippines attend cyber-graduation ceremony [Internet]. The Indian Express; 23AD. Available from: <https://indianexpress.com/article/trending/trending-globally/cyber-graduation-virtual-graduation-philippine-high-school-graduation-6423820/>

114.

Watch: Filipino students attend "cyber-graduation" ceremony [Internet]. Twitter; 22AD. Available from: [https://twitter.com/TIME/status/1263866493420396544?ref\\_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E1263866493420396544%7Ctwgr%5E&ref\\_url=https%3A%2F%2Findianexpress.com%2Farticle%2Ftrending%2Ftrending-globally%2Fcyber-graduation-virtual-graduation-philippine-high-school-graduation-6423820%2F](https://twitter.com/TIME/status/1263866493420396544?ref_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E1263866493420396544%7Ctwgr%5E&ref_url=https%3A%2F%2Findianexpress.com%2Farticle%2Ftrending%2Ftrending-globally%2Fcyber-graduation-virtual-graduation-philippine-high-school-graduation-6423820%2F)

115.

Virtual graduation to mark momentous day for medical students [Internet]. Press Office Newcastle University; 3AD. Available from: <https://www.ncl.ac.uk/press/articles/latest/2020/04/virtualgraduation/>

116.

Gallon L, Abenia A, Dubergey F, Negui M. Using a Telepresence robot in an educational context. Int'l Conf. Frontiers in Education: CS and CE: Int'l Conf. Frontiers in Education: CS and CE; 2019; Available from: <https://hal-univ-pau.archives-ouvertes.fr/hal-02410364/document>

117.

Bell J, Cain W, Peterson A, Cheng C. From 2D to Kubi to Doubles: Designs for Student Telepresence in Synchronous Hybrid Classrooms. International Journal of Designs for Learning; 2016;7(3). Available from: <https://www.learntechlib.org/p/209594/>

118.

Kristoffersson A, Coradeschi S, Loutfi A. A Review of Mobile Robotic Telepresence. *Advances in Human-Computer Interaction*. 2013;2013:1-17.

119.

Newhart VA. Virtual inclusion via telepresence robots in the classroom. *Proceedings of the extended abstracts of the 32nd annual ACM conference on Human factors in computing systems - CHI EA '14 [Internet]*. ACM Press; 2014. p. 951-956. Available from: <http://dl.acm.org/citation.cfm?doid=2559206.2579417>

120.

Yun SS, Kim M, Choi MT. Easy Interface and Control of Tele-education Robots. *International Journal of Social Robotics*. 2013 Aug;5(3):335-343.

121.

Thompson P, Chaivist S. Telepresence Robots as Embodied Agents in the Classroom. *CSCCL 2019 Proceedings*; 2019;911-912. Available from: <https://repository.isls.org/bitstream/1/1726/1/911-912.pdf>

122.

Hasegawa K, Nakauchi Y. Facilitation of telepresence robot turn-takings by gesture exaggeration. *2014 IEEE/SICE International Symposium on System Integration [Internet]*. IEEE; 2014. p. 650-654. Available from: <http://ieeexplore.ieee.org/document/7028115/>

123.

Yun S, Shin J, Kim D, Kim CG, Kim M, Choi MT. Engkey: Tele-education Robot. In: Mutlu B, Bartneck C, Ham J, Evers V, Kanda T, editors. *Social Robotics [Internet]*. Berlin, Heidelberg: Springer Berlin Heidelberg; 2011. p. 142-152. Available from: [http://link.springer.com/10.1007/978-3-642-25504-5\\_15](http://link.springer.com/10.1007/978-3-642-25504-5_15)

124.

Cha E, Chen S, Mataric MJ. Designing telepresence robots for K-12 education. 2017 26th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) [Internet]. IEEE; 2017. p. 683–688. Available from: <http://ieeexplore.ieee.org/document/8172377/>

125.

Gleason B, Greenhow C. Hybrid Education: The Potential of Teaching and Learning with Robot-Mediated Communication. *Online Learning Journal*; 2017;21(4). Available from: <https://www.learntechlib.org/p/183770/>

126.

Soares N, Kay JC, Craven G. Mobile Robotic Telepresence Solutions for the Education of Hospitalized Children. *Perspect Health Inf Manag*; 2017;1e. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5653953/>

127.

Tanaka F, Takahashi T, Matsuzoe S, Tazawa N, Morita M. Child-operated telepresence robot: A field trial connecting classrooms between Australia and Japan. 2013 IEEE/RSJ International Conference on Intelligent Robots and Systems [Internet]. IEEE; 2013. p. 5896–5901. Available from: <http://ieeexplore.ieee.org/document/6697211/>

128.

Newhart VA, Olson J, Warschauer M, Eccles J. Go home and get better: An exploration of inequitable educational services for homebound children. UC Irvine; 2017; Available from: <https://escholarship.org/uc/item/8js3h9zc>

129.

Shin KWC, Han J. Children's perceptions of and interactions with a telepresence robot. 2016 11th ACM/IEEE International Conference on Human-Robot Interaction (HRI) [Internet]. IEEE; 2016. p. 521–522. Available from: <http://ieeexplore.ieee.org/document/7451836/>

130.

Hakan Gurkanli C. Exploring design requirements for educational robots used in K-12 education from educator's perspective [Internet]. Middle East Technical University; 2018.

Available from: <http://etd.lib.metu.edu.tr/upload/12622743/index.pdf>

131.

Yamamoto R, Sekimoto H, Kubota K. Studying a Tele-Presence Robot Installed into a Hospital Classroom. *International Journal for Educational Media and Technology*; 2016;10(1):53–62. Available from: [http://jaems.jp/contents/icomelj/vol10/7\\_yamamoto.pdf](http://jaems.jp/contents/icomelj/vol10/7_yamamoto.pdf)

132.

Telepresence robot system for English tutoring. 2010 IEEE Workshop on Advanced Robotics and its Social Impacts [Internet]. IEEE; 2010. p. 152–155. Available from: <http://ieeexplore.ieee.org/document/5679999/>

133.

Fitter NT, Chowdhury Y, Cha E, Takayama L, Matarić MJ. Evaluating the Effects of Personalized Appearance on Telepresence Robots for Education. *Companion of the 2018 ACM/IEEE International Conference on Human-Robot Interaction - HRI '18* [Internet]. ACM Press; 2018. p. 109–110. Available from: <http://dl.acm.org/citation.cfm?doid=3173386.3177030>

134.

Newhart VA, Warschauer M, Sender L. Virtual Inclusion via Telepresence Robots in the Classroom: An Exploratory Case Study. *The International Journal of Technologies in Learning*; 2016;23(4):9–25. Available from: <https://escholarship.org/uc/item/9zm4h7nf>

135.

Newhart VA, Olson JS. My Student is a Robot. *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems - CHI '17* [Internet]. ACM Press; 2017. p. 342–347. Available from: <http://dl.acm.org/citation.cfm?doid=3025453.3025809>

136.

Ahumada-Newhart V, Olson JS. Going to School on a Robot. *ACM Transactions on Computer-Human Interaction*. 2019 Jun 17;26(4):1–28.

137.

Newhart VA, Olson JS. My Student is a Robot. Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems - CHI '17 [Internet]. ACM Press; 2017. p. 342–347. Available from: <http://dl.acm.org/citation.cfm?doid=3025453.3025809>

138.

Bayne S. Teacherbot: interventions in automated teaching. Teaching in Higher Education. 2015 May 19;20(4):455–467.

139.

Edwards A, Edwards C, Spence PR, Harris C, Gambino A. Robots in the classroom: Differences in students' perceptions of credibility and learning between "teacher as robot" and "robot as teacher". Computers in Human Behavior. 2016 Dec;65:627–634.

140.

Macleod H, Sinclair C, Haywood J, Woodgate A. Massive Open Online Courses: designing for the unknown learner. Teaching in Higher Education. 2016 Jan 2;21(1):13–24.

141.

Cain W, Bell J, Cheng C. Implementing Robotic Telepresence in a Synchronous Hybrid Course. 2016 IEEE 16th International Conference on Advanced Learning Technologies (ICALT) [Internet]. IEEE; 2016. p. 171–175. Available from: <http://ieeexplore.ieee.org/document/7756950/>

142.

Sampsel D, Vermeersch P, Doarn CR. Utility and Effectiveness of a Remote Telepresence Robotic System in Nursing Education in a Simulated Care Environment. Telemedicine and e-Health. 2014 Nov;20(11):1015–1020.

143.

Lei M, Clemente IM, Hu Y. Engagement data of robotic students in a synchronous-hybrid

course. Data in Brief. 2019 Jun;24.

144.

Rudolph A, Vaughn J, Crego N, Hueckel R, Kuszajewski M, Molloy M, Brisson R, Shaw RJ. Integrating Telepresence Robots Into Nursing Simulation. Nurse Educator. 2017;42(2):E1-E4.

145.

Khan MSL, Réhman S ur. Embodied Head Gesture and Distance Education. Procedia Manufacturing. 2015;3:2034-2041.

146.

Luévano E, Lara EL de, Castro JE. Use of Telepresence and Holographic Projection Mobile Device for College Degree Level. Procedia Computer Science. 2015;75:339-347.

147.

Sampsel D, Bharwani G, Mehling D, Smith S. Robots as Faculty: Student and Faculty Perceptions. Clinical Simulation in Nursing. 2011 Nov;7(6):e209-e218.

148.

Butler L, Bullin C, Bally J, Tomtene M, Neuls E. Learn Where You Live, Teach From a Distance: Choosing the Best Technology for Distributed Nursing Education. Northern Review; 2016;43. Available from: <https://thenorthernreview.ca/index.php/nr/article/view/590>

149.

Denojean-Mairet M. Telepresence Robot Enable Remote Lab in Distance Education [Internet]. Athabasca University Library; 2016. Available from: <https://dt.athabascau.ca/jspui/handle/10791/189>

150.

Khojasteh N, Liu C, Fussell SR. Understanding Undergraduate Students' Experiences of Telepresence Robots on Campus. Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing - CSCW '19 [Internet]. ACM Press; 2019. p. 241–246. Available from: <http://dl.acm.org/citation.cfm?doid=3311957.3359450>

151.

Silvera A. Accessibility Innovation in Higher Education Through Telepresence Robots [Internet]. University of Victoria Library; 2019. Available from: <https://venus.library.uvic.ca:8443/handle/1828/10779>

152.

Wertzberger E. The Future of Field Experiences in Distance Education: Theory & Practice in Rural Education. 2019 Oct 11;9(2):35–46.

153.

Collins H, Glover H, Myers F, Watson M. Automation in distance learning: an empirical study of unlearning and academic identity change linked to automation of student messaging within distance learning. The Open Univeresity; 2016; Available from: <http://oro.open.ac.uk/46254/>

154.

Reis A, Martins M, Martins P, Sousa J, Barroso J. Telepresence Robots in the Classroom: The State-of-the-Art and a Proposal for a Telepresence Service for Higher Education. In: Tsitouridou M, A. Diniz J, Mikropoulos TA, editors. Technology and Innovation in Learning, Teaching and Education [Internet]. Cham: Springer International Publishing; 2019. p. 539–550. Available from: [http://link.springer.com/10.1007/978-3-030-20954-4\\_41](http://link.springer.com/10.1007/978-3-030-20954-4_41)

155.

Dimitoglou G. Telepresence: evaluation of robot stand-ins for remote student learning. Journal of Computer Sciences in Colleges; 2019;35(3). Available from: <https://dl.acm.org/doi/abs/10.5555/3381569.3381582>

156.



Molloy M, Shaw RJ, Vaughn J, Hueckel R. An Innovative Use of Telepresence Robots for Educating Healthcare Professional. *Nursing Informatics*; 2016;225:989–990. Available from: <http://ebooks.iospress.nl/publication/43291>

157.

Guizzo E. When My Avatar Went to Work. *IEEE Spectrum*. 2010 Sep;47(9):26–50.

158.

Khan MSL, Réhman S ur. Embodied Head Gesture and Distance Education. *Procedia Manufacturing*. 2015;3:2034–2041.

159.

Denojean-Mairet M, Tan Q, Pivot F, Ally M. A Ubiquitous Computing Platform - Affordable Telepresence Robot Design and Applications. 2014 IEEE 17th International Conference on Computational Science and Engineering [Internet]. IEEE; 2014. p. 793–798. Available from: <http://ieeexplore.ieee.org/document/7023672/>

160.

Davis MC, Can DD, Pindrik J, Rocque BG, Johnston JM. Virtual Interactive Presence in Global Surgical Education: International Collaboration Through Augmented Reality. *World Neurosurgery*. 2016 Feb;86:103–111.

161.

Zhang M, Duan P, Zhang Z, Esche S. Development of Telepresence Teaching Robots With Social Capabilities. Volume 5: Engineering Education [Internet]. American Society of Mechanical Engineers; 2018. Available from: <https://asmedigitalcollection.asme.org/IMECE/proceedings/IMECE2018/52064/Pittsburgh,%20Pennsylvania,%20USA/276416>

162.

Tsui KM, Yanco HA. Design Challenges and Guidelines for Social Interaction Using Mobile Telepresence Robots. *Reviews of Human Factors and Ergonomics*. 2013 Nov;9(1):227–301.

163.

Rae I. Using robot-mediated communication to improve remote collaboration. CHI '13 Extended Abstracts on Human Factors in Computing Systems on - CHI EA '13 [Internet]. ACM Press; 2013. Available from: <http://dl.acm.org/citation.cfm?doid=2468356.2468709>

164.

Jadhav D, Shah P, Shah H. A Study to Design VI Classrooms Using Virtual Reality Aided Telepresence. 2018 IEEE 18th International Conference on Advanced Learning Technologies (ICALT) [Internet]. IEEE; 2018. p. 319–321. Available from: <https://ieeexplore.ieee.org/document/8433527/>

165.

Lei M, Clemente IM, Hu Y. Student in the shell: The robotic body and student engagement. Computers & Education. 2019 Mar;130:59–80.

166.

Hasegawa K, Nakauchi Y. Telepresence robot that exaggerates non-verbal cues for taking turns in multi-party teleconferences. Proceedings of the second international conference on Human-agent interaction - HAI '14 [Internet]. ACM Press; 2014. p. 293–296. Available from: <http://dl.acm.org/citation.cfm?doid=2658861.2658945>

167.

Alerby E, Ekberg N. The Digital Student: Beyond the Boundaries of the Body [Internet]. NERA 2020 congress, 4-6 March, 2020, Turku, Finland; 2020. Available from: <http://tu.diva-portal.org/smash/record.jsf?pid=diva2%3A1417762&dsid=8049>

168.

Preradović NM, Jandrić P. USING VIDEO JOURNALS IN ACADEMIC SERVICE-LEARNING. POLYTECHNIC & DESIGN; 2016;4(4):407–419. Available from: <https://hrcak.srce.hr/file/258023>

169.

Brown M, Keppell M, Hughes H, Hard N, Shillington S, Smith L. Superficial social inclusion? Reflections from first-time distance learners. A Practice Report. *The International Journal of the First Year in Higher Education*. 2012 Jul 25;3(2).

170.

Brown M, Keppell M, Hughes H, Hard N, Smith L. Exploring the disconnections: Student interaction with support services upon commencement of distance education. *The International Journal of the First Year in Higher Education*. 2013 Jul 29;4(2).

171.

Moses OO. Improving Mobile Learning with Enhanced Shih's Model of Mobile Learning. *US-China Education Review*; 5(11):22-28. Available from: <https://eric.ed.gov/?id=ED504950>

172.

Sharpe R, Beetham H, Benfield G, DeCicco E, Lessner E. Learners Experiences of E-learning Synthesis Report: Explaining Learner Differences [Internet]. JISC; Available from: [https://s3.amazonaws.com/academia.edu.documents/31859768/lxp2finalsynthesis.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1547728835&Signature=xL2%2FliindgsWitEKpm7AlrVo034%3D&response-content-disposition=inline%3B%20filename%3DLearners\\_Experiences\\_of\\_E\\_learning\\_Synth.pdf](https://s3.amazonaws.com/academia.edu.documents/31859768/lxp2finalsynthesis.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1547728835&Signature=xL2%2FliindgsWitEKpm7AlrVo034%3D&response-content-disposition=inline%3B%20filename%3DLearners_Experiences_of_E_learning_Synth.pdf)

173.

Brown M, Hughes H, Keppell M, Hard N, Smith L. Stories from Students in Their First Semester of Distance Learning. *The International Review of Research in Open and Distributed Learning*. 2015 Nov 2;16(4).

174.

Brown M, Hughes H, Keppell M, Hard N, Smith L. In their own words: Student stories of seeking learning support. *Open Praxis*. 2013 Nov 25;5(4).

175.

Doubleday AF, Wille SJ. We are what we do: Examining learner-generated content in the anatomy laboratory through the lens of activity theory. *Anatomical Sciences Education*. 2014 Sep 10;7(5):361-369.

176.

Brown M, Hughes H, Delaney L. Giving Voice to Distance Learners: Methodological Decisions and Challenges. *European Journal of Open, Distance and E-Learning*; 2015; Available from: <http://www.eurodl.org/index.php?p=special&sp=articles&inum=6&article=673&article=682>

177.

Conrad O. Community of Inquiry and Video in Higher Education: Engaging Students Online. ERIC; Available from: <https://eric.ed.gov/?id=ED556456>

178.

Farmer B, Yue A, Brooks C. Using blogging for higher order learning in large cohort university teaching: A case study. *Australasian Journal of Educational Technology*. 2008 Feb 22;24(2).

179.

Safford K, Stinton J. Barriers to blended digital distance vocational learning for non-traditional students. *British Journal of Educational Technology*. 2016 Jan;47(1):135-150.

180.

Watkins J, Wilkins M. Using YouTube in the EFL Classroom. *Language Education in Asia*. 2011 Aug 16;2(1):113-119.

181.

Kelly P, Stevens C. Narrowing the distance: using e-learner support to enhance the student experience. *European Journal of Open, Distance and E-Learning*; 2009; Available from: <http://www.eurodl.org/index.php?p=archives&year=2009&halfyea&article=380>

182.

Brown M, Hughes H. Understanding the student experience: Doing things better in studying first-time distance learners [Internet]. European Distance and E-Learning Network 2014 Research Workshop; 27AD. Available from: [http://www.eden-online.org/wp-content/uploads/2016/05/RW\\_2014\\_Oxford\\_Proceedings\\_NAP.pdf#page=69](http://www.eden-online.org/wp-content/uploads/2016/05/RW_2014_Oxford_Proceedings_NAP.pdf#page=69)

183.

O'Dowd R. Online Intercultural Exchanges. In: Chapelle CA, editor. The Encyclopedia of Applied Linguistics [Internet]. Oxford, UK: Blackwell Publishing Ltd; 2012. Available from: <http://doi.wiley.com/10.1002/9781405198431.wbeal1194>

184.

Andrews T, Tynan B, Backstrom K. Distance learners' use of non-institutional social media to augment and enhance their learning experience [Internet]. ASCILITE 2012: 29th Annual Conference of the Australasian Society for Computers in Learning in Tertiary Education: Future Challenges, Sustainable Futures; 25AD. Available from: <https://eprints.usq.edu.au/22699/>

185.

Language learning strategies in independent settings. Clevedon: Multilingual Matters; 2008.

186.

Jefferies AL, Hyde RS, Bullen PR. 'How it was for me...': First steps on our Learners' Journeys through HE. University of Hertfordshire; 2008; Available from: <https://uhra.herts.ac.uk/handle/2299/3625>

187.

Jefferies A, Bullen P, Hyde R. Researching Learners' Journeys : STROLL: a JISC funded project (Student Reflections On Lifelong e-Learning). University of Hertfordshire; 1AD; Available from: <https://uhra.herts.ac.uk/handle/2299/8293>

188.

Brown M, Keppell M, Hughes H, Hard N, Smith L. Stories of learning spaces from distant places [Internet]. 36th Higher Education Research and Development Society of Australasia Conference (HERDSA 2013): The Place of Learning and Teaching; 1AD. Available from: <https://eprints.usq.edu.au/24060/>

189.

Bellocchi A, Mills KA, Ritchie SM. Emotional experiences of preservice science teachers in online learning: the formation, disruption and maintenance of social bonds. *Cultural Studies of Science Education*. 2016 Sep;11(3):629–652.

190.

Gregory S, Bannister-Tyrrell M. Digital learner presence and online teaching tools: higher cognitive requirements of online learners for effective learning. *Research and Practice in Technology Enhanced Learning*. 2017 Dec;12(1).

191.

Brown M, Keppell M, Hughes H, Hard N, Shillington S, Smith L. Living the new normal: reflections on the experiences of first-time distance learners [Internet]. ASCILITE 2012: 29th Annual Conference of the Australasian Society for Computers in Learning in Tertiary Education: Future Challenges, Sustainable Futures; 25AD. Available from: <https://eprints.usq.edu.au/24963/>

192.

Kuhn KAL, Russell-Bennett R, Rundle-Thiele S. Promoting Student Learning with Online Videos: A Research Agenda. In: Deeter-Schmelz DR, editor. *Proceedings of the 2010 Academy of Marketing Science (AMS) Annual Conference* [Internet]. Cham: Springer International Publishing; 2015. p. 206–210. Available from: [http://link.springer.com/10.1007/978-3-319-11797-3\\_118](http://link.springer.com/10.1007/978-3-319-11797-3_118)

193.

Nagy JT. Evaluation of Online Video Usage and Learning Satisfaction: An Extension of the Technology Acceptance Model. *The International Review of Research in Open and Distributed Learning*. 2018 Feb 23;19(1).

194.

Shannon SJ, Francis RL, Chooi YL, Ng SL. Approaches to the use of blended learning in teaching tectonics of design to architecture/design and architectural engineering students. *Architectural Science Review*. 2013 May;56(2):131–140.

195.

Jefferies A. Video diaries: a discussion of their use for researching the learner experience in higher education. *International Journal of Learning Technology*. 2015;10(3).

196.

McDowell J. VELOCITY: Video Enhanced Learning Opportunities in Computing and Information Technology [Internet]. British Educational Research Association Conference; 4AD. Available from: <http://eprints.hud.ac.uk/id/eprint/19912/>

197.

Brown M, Hughes H, Keppell M, Shillington S, Smith L. Lights, camera, action: Gathering experiences of first time distance learners [Internet]. Ascilite 2011 Hobart; 4AD. Available from: [https://s3.amazonaws.com/academia.edu.documents/31832693/Brown-concise.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1547745256&Signature=1AA5GpaOPDaXuyRSX%2BpPuxOb6KM%3D&response-content-disposition=inline%3B%20filename%3DLights\\_Camera\\_Action\\_Gathering\\_Experienc.pdf](https://s3.amazonaws.com/academia.edu.documents/31832693/Brown-concise.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1547745256&Signature=1AA5GpaOPDaXuyRSX%2BpPuxOb6KM%3D&response-content-disposition=inline%3B%20filename%3DLights_Camera_Action_Gathering_Experienc.pdf)

198.

Andrews T, Tyman B. Learner Characteristics and Patterns of Online Learning: How Online Learners Successfully Manage their Learning. *European Journal of Open, Distance and E-Learning*; 2015; Available from: <http://www.eurodl.org/index.php?p=special&sp=articles&inum=6&article=680&article=677>

199.

McDowell J. Cultivating a viral community of practice to drive institutional enhancement through the promotion of video-enhanced learning, feedback and assessment [Internet]. 7th International Blended Learning Conference; 2012. Available from: <http://eprints.hud.ac.uk/id/eprint/19911/>

200.

Crisanto MAL. Group reporting as a tool to enhance the quality of courses. *Asian Association of Open Universities Journal* [Internet]. 2018 Mar 5;13(1):73-87. Available from: <https://www.emeraldinsight.com/doi/full/10.1108/AAOUJ-01-2018-0006>

201.

Wedlock BC, Grove R. The Technology Driven Student: How to Apply Bloom's Revised Taxonomy to the Digital Generations. *Journal of Education & Social Policy*; 7(1). Available from: [http://jespnet.com/journals/Vol\\_4\\_No\\_1\\_March\\_2017/4.pdf](http://jespnet.com/journals/Vol_4_No_1_March_2017/4.pdf)

202.

Farnadi G, Sitaraman G, Sushmita S, Celli F, Kosinski M, Stillwell D, Davalos S, Moens MF, De Cock M. Computational personality recognition in social media. *User Modeling and User-Adapted Interaction*. 2016 Jun;26(2-3):109-142.

203.

Oomen-Early J, Early AD. Teaching in a Millennial World. *Pedagogy in Health Promotion*. 2015 Jun;1(2):95-107.

204.

Brown TH. Exploring new learning paradigms in ODL: A reflection on the paper of Barber, Donnelly and Rizvi (2013): "An avalanche is coming: Higher education and the revolution ahead". *The International Review of Research in Open and Distributed Learning*. 2015 Nov 2;16(4).

205.

Kahu E, Stephens C, Leach L, Zepke N. Linking academic emotions and student engagement: mature-aged distance students' transition to university. *Journal of Further and Higher Education*. 2015 Jul 4;39(4):481-497.

206.



Kaufmann R, Frisby BN. Let's Connect: Using Adobe Connect to Foster Group Collaboration in the Online Classroom. *Communication Teacher*. 2013 Oct;27(4):230-234.

207.

Wankel C, Blessinger P, Stanaityte J, Washington N. Increasing student engagement and retention using online learning activities: wikis, blogs and webquests. Bingley: Emerald; 2012.

208.

Looi QE, See SL. Assessing the Suitability of MMORPGs as Educational Games Using HCI Evaluation Methods. In: Abd Manaf A, Zeki A, Zamani M, Chuprat S, El-Qawasmeh E, editors. *Informatics Engineering and Information Science* [Internet]. Berlin, Heidelberg: Springer Berlin Heidelberg; 2011. p. 289-298. Available from: [http://link.springer.com/10.1007/978-3-642-25453-6\\_26](http://link.springer.com/10.1007/978-3-642-25453-6_26)

209.

Leon K, Pigg S. Graduate Students Professionalizing in Digital Time/Space: A View From "Down Below". *Computers and Composition*. 2011 Mar;28(1):3-13.

210.

Jefferies A. Diversity and Conformity in the Use of Technology by 'Net Generation' Learners: Exploring Research Outcomes to Inform Future Academic Practice [Internet]. 9th European Conference for E-Learning; 2010. Available from: <https://uhra.herts.ac.uk/handle/2299/7987>

211.

Handbook of research on Web 2.0 and second language learning. Hershey, Pa: Information Science Reference; 2009.

212.

Solutions and innovations in web-based technologies for augmented learning. Hershey, PA: Information Science Reference; 2009.

213.

Clarke L. Video reflections in initial teacher education. *British Journal of Educational Technology*. 2009 Sep;40(5):959–961.

214.

Jefferies A. Building the future student's blended learning experience from current research findings [Internet]. 8th European Conference on eLearning; 2009. p. 282–286.

Available from:

[https://books.google.co.uk/books?hl=en&lr=&id=qGw4tvVrKUEC&oi=fnd&pg=PA282&dq=Building+the+future+student%27s+blended+learning+experience+from+current+research+findings&ots=rb42KbuOxk&sig=Rr\\_6A7hZra2b8E1UYyrANAMAXfs#v=onepage&q=Building%20the%20future%20student's%20blended%20learning%20experience%20from%20current%20research%20findings&f=false](https://books.google.co.uk/books?hl=en&lr=&id=qGw4tvVrKUEC&oi=fnd&pg=PA282&dq=Building+the+future+student%27s+blended+learning+experience+from+current+research+findings&ots=rb42KbuOxk&sig=Rr_6A7hZra2b8E1UYyrANAMAXfs#v=onepage&q=Building%20the%20future%20student's%20blended%20learning%20experience%20from%20current%20research%20findings&f=false)

215.

Greenberg BS, Eastin MS, Skalski P, Cooper L, Levy M, Lachlan K. Comparing Survey and Diary Measures of Internet and Traditional Media Use. *Communication Reports*. 2005 Apr;18(1-2):1–8.

216.

Wachtler J, Hubmann M, Zöhrer H, Ebner M. An analysis of the use and effect of questions in interactive learning-videos. *Smart Learning Environments*. 2016 Dec;3(1).

217.

Dale G, Shawn Green C. The Changing Face of Video Games and Video Gamers: Future Directions in the Scientific Study of Video Game Play and Cognitive Performance. *Journal of Cognitive Enhancement*. 2017 Sep;1(3):280–294.

218.

Eardley WA, Ashe DE, Fletcher BD. An Ontology Engineering Approach to User Profiling for Virtual Tours of Museums and Galleries. *International Journal of Knowledge Engineering*. 2016;2(2):85–91.

219.

Cho YH, Wang Y, Fesenmaier DR. Searching for Experiences. *Journal of Travel & Tourism Marketing*. 2002 Oct;12(4):1-17.

220.

Martínez-Graña AM, Goy JL, Cimarra CA. A virtual tour of geological heritage: Valourising geodiversity using Google Earth and QR code. *Computers & Geosciences*. 2013 Dec;61:83-93.

221.

Liu YQ, Briggs S. A Library in the Palm of Your Hand: Mobile Services in Top 100 University Libraries. *Information Technology and Libraries*. 2015 Jun 14;34(2).

222.

Lee GA, Dunser A, Nassani A, Billingham M. AntarcticAR: An outdoor AR experience of a virtual tour to Antarctica. 2013 IEEE International Symposium on Mixed and Augmented Reality - Arts, Media, and Humanities (ISMAR-AMH) [Internet]. IEEE; 2013. p. 29-38. Available from: <http://ieeexplore.ieee.org/document/6671264/>

223.

Tüzün H, Özdiñç F. The effects of 3D multi-user virtual environments on freshmen university students' conceptual and spatial learning and presence in departmental orientation. *Computers & Education*. 2016 Mar;94:228-240.

224.

Lozar F, Clari P, Dela Pierre F, Natalicchio M, Bernardi E, Violanti D, Costa E, Giardino M. Virtual Tour of Past Environmental and Climate Change: the Messinian Succession of the Tertiary Piedmont Basin (Italy). *Geoheritage*. 2015 Mar;7(1):47-56.

225.

Moloo RK, Pudaruth S, Ramodhin M, Rozbully RB. A 3D Virtual Tour of the University of Mauritius using WebGL. 2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) [Internet]. IEEE; 2016. p. 2891-2894. Available from:

<http://ieeexplore.ieee.org/document/7755226/>

226.

Bosch J, Rida P, Ribas D, Gracias N. Creating 360° underwater virtual tours using an omnidirectional camera integrated in an AUV. OCEANS 2015 - Genova [Internet]. IEEE; 2015. p. 1-7. Available from: <http://ieeexplore.ieee.org/document/7271525/>

227.

Rice S, Gregor MN. This Library Orientation is Fun!: Building a Successful Virtual Tour Experience for Students. American Library Association; :583-588. Available from: [http://www.ala.org/acrl/sites/ala.org.acrl/files/content/conferences/confsandpreconfs/2013/papers/RiceGregor\\_ThisLibrary.pdf](http://www.ala.org/acrl/sites/ala.org.acrl/files/content/conferences/confsandpreconfs/2013/papers/RiceGregor_ThisLibrary.pdf)

228.

D'Alba A, Jones G. Analyzing the Effects of a 3D Online Virtual Museum in Visitors' Discourse, Attitudes, Preferences, and Knowledge Acquisition. In: Nettleton KF, Lennex L, editors. Cases on 3D Technology Application and Integration in Education [Internet]. IGI Global; 2013. p. 26-47. Available from: <http://services.igi-global.com/resolvedoi/resolve.aspx?doi=10.4018/978-1-4666-2815-1.ch002>

229.

Mirk D, Hlavacs H. Using Drones for Virtual Tourism. In: Reidsma D, Choi I, Bargar R, editors. Intelligent Technologies for Interactive Entertainment [Internet]. Cham: Springer International Publishing; 2014. p. 144-147. Available from: [http://link.springer.com/10.1007/978-3-319-08189-2\\_21](http://link.springer.com/10.1007/978-3-319-08189-2_21)

230.

Garau C, Ilardi E. The "Non-Places" Meet the "Places:" Virtual Tours on Smartphones for the Enhancement of Cultural Heritage. Journal of Urban Technology. 2014 Jan 2;21(1):79-91.

231.

Tung ND, Barr J, Sheppard DJ, Elliot DA, Tottey LS, Walsh KAJ. Spherical Photography and

Virtual Tours for Presenting Crime Scenes and Forensic Evidence in New Zealand Courtrooms. *Journal of Forensic Sciences*. 2015 May;60(3):753–758.

232.

Harley JM, Poitras EG, Jarrell A, Duffy MC, Lajoie SP. Comparing virtual and location-based augmented reality mobile learning: emotions and learning outcomes. *Educational Technology Research and Development*. 2016 Jun;64(3):359–388.

233.

Katz JE, Halpern D. Can Virtual Museums Motivate Students? Toward a Constructivist Learning Approach. *Journal of Science Education and Technology*. 2015 Dec;24(6):776–788.

234.

Cosido O, Teran L, Lopez OR, Sarachaga M, Campi M, Catuogno R, Gutierrez NG, Latorre EM. 3D tour through university spaces for the management and dissemination of the cultural heritage of the University of Cantabria. 2015 Digital Heritage [Internet]. IEEE; 2015. p. 667–670. Available from: <http://ieeexplore.ieee.org/document/7419594/>

235.

Shih YC. A virtual walk through London: culture learning through a cultural immersion experience. *Computer Assisted Language Learning*. 2015 Sep 3;28(5):407–428.

236.

Maines C, Tang S. An Application of Game Technology to Virtual University Campus Tour and Interior Navigation. 2015 International Conference on Developments of E-Systems Engineering (DeSE) [Internet]. IEEE; 2015. p. 341–346. Available from: <http://ieeexplore.ieee.org/document/7563659/>

237.

Mogaji E. University Website Websites Design in International Student Recruitment: Some Reflections. In: Wu T, Naidoo V, editors. *International Marketing of Higher Education* [Internet]. New York: Palgrave Macmillan US; 2016. p. 99–117. Available from: [http://link.springer.com/10.1057/978-1-137-54291-5\\_5](http://link.springer.com/10.1057/978-1-137-54291-5_5)

238.

Razia Sulthana A, Arokiaraj Jovith A, Saveetha D, Jaithunbi AK. A game based virtual campus tour. *Journal of Physics: Conference Series*. 2018 Apr;1000.

239.

Perdana D, Irawan A, Munadi R. Implementation of a Web Based Campus Virtual Tour for Introducing Telkom University Building. *International journal of simulation: systems, science & technology*. 2020 Mar 29;

240.

Maines C, Tang S. An Application of Game Technology to Virtual University Campus Tour and Interior Navigation. 2015 International Conference on Developments of E-Systems Engineering (DeSE) [Internet]. IEEE; 2015. p. 341–346. Available from: <http://ieeexplore.ieee.org/document/7563659/>

241.

Rohizan RB, Vistro DM, Puasa MRB. Enhanced Visitor Experience Through Campus Virtual Tour. *Journal of Physics: Conference Series*. 2019 May;1228.

242.

Pranuta Murnaka N. Virtual Campus Tour (Student Perception of University Virtual Environment). *Journal of Critical Reviews*; 2020;7(19):4964–4969. Available from: <http://www.jcreview.com/fulltext/197-1598166143.pdf>

243.

Mendolia-Moore T. The College Path: A Virtual Tour [Internet]. *Bronco Scholar*; 2019. Available from: <https://broncoscholar.library.cpp.edu/handle/10211.3/208084>

244.

Wagler A, Hanus MD. Comparing Virtual Reality Tourism to Real-Life Experience: Effects of Presence and Engagement on Attitude and Enjoyment. *Communication Research Reports*.

2018 Oct 20;35(5):456-464.

245.

Romano A. Stuck at Home? These 12 Famous Museums Offer Virtual Tours You Can Take on Your Couch (Video) [Internet]. 2020. Available from: <https://www.travelandleisure.com/attractions/museums-galleries/museums-with-virtual-tours>

246.

Take Virtual Tours Of These Stunning Libraries [Internet]. I Love Libraries; 2020. Available from: <http://www.ilovelibraries.org/article/take-virtual-tours-these-stunning-libraries>

247.

Heriot Watt University Virtual Tour [Internet]. Available from: <https://www.hw.ac.uk/virtual-tours/>

248.

University of Dundee Virtual Tour [Internet]. University\_of\_Dundee; Available from: <https://www.dundee.ac.uk/virtual-tour/>

249.

Stanford | Visitor Information [Internet]. Stanford; Available from: <https://visit.stanford.edu/tours/virtual/>

250.

University of Stirling Virtual Tour [Internet]. University\_of\_Stirling; Available from: <https://www.stir.ac.uk/study/visit-us/virtualtour/#tour>

251.

Go Pro Fusion [Internet]. Go Pro; Available from: <https://gopro.com/en/hk/shop/cameras/fusion/CHDHZ-103-FW.html>

252.

Hookham G, Nesbitt K, Cooper J, Rasiah R. Developing a Virtual Tour of a Community Pharmacy for Use in Education. *IT in Industry*; 2014;2(1):33–37. Available from: <http://www.it-in-industry.org/index.php/itii/article/view/10>

253.

Chen S. QuickTime VR – An Image-Based Approach to Virtual Environment Navigation [Internet]. *SIGGRAPH '95: Proceedings of the 22nd annual conference on Computer graphics and interactive techniques*; 1995. p. 29–38. Available from: <https://cseweb.ucsd.edu/~ravir/6998/papers/p29-chen.pdf>

254.

Rohizan RB, Vistro DM, Puasa MRB. Enhanced Visitor Experience Through Campus Virtual Tour. *Journal of Physics: Conference Series*. 2019 May;1228.

255.

Manning K, Kuh G. Promoting Student Success: Making Place Matter to Student Success. Occasional Paper No. 13. Bloomington, Indiana: Indiana University Center for Postsecondary Research; 2005; Available from: <https://eric.ed.gov/?id=ED506539>

256.

Flores P. Establishing a Cultural Connection and a Sense of Place - Virtual Tour. University of Hawai'i at Mānoa; 2018; Available from: <https://scholarspace.manoa.hawaii.edu/handle/10125/55886>

257.

Kramer R, Modsching M, ten Hagen K, Gretzel U. Behavioural Impacts of Mobile Tour Guides. In: Sigala M, Mich L, Murphy J, editors. *Information and Communication Technologies in Tourism 2007* [Internet]. Vienna: Springer Vienna; 2007. p. 109–118. Available from: [http://link.springer.com/10.1007/978-3-211-69566-1\\_11](http://link.springer.com/10.1007/978-3-211-69566-1_11)

258.



Downing A, Klein L. A multilingual virtual tour for international students: The Web-based library at Baruch College opens doors. 5th ed. 2001;62. Available from: <https://crln.acrl.org/index.php/crlnews/article/view/19381/22673>

259.

Pickens A. A virtual tour of Muncie, Indiana for prospective international students to Ball State University [Internet]. Ball State University Muncie Indiana; 2009. Available from: <https://cardinalscholar.bsu.edu/handle/123456789/195077?show=full>

260.

Mendolia-Moore TA. The College Path: A Virtual Tour [Internet]. California State Polytechnic University, Pomona; 2018. Available from: <https://scholarworks.calstate.edu/downloads/8p58pg378?locale=en>

261.

Cho E, Smith KR, Hubert SK. Delivering Experiential Learning Through Virtual Study Tour and Alternative Internship Options During a Pandemic. *Journal of Family & Consumer Sciences*. 2021 Apr 1;113(2):14–20.

262.

Moros K. Virtual campus tour launched to increase undergraduate population. *Nova Southeastern University*; 2010;21(15):2–2. Available from: [https://nsuworks.nova.edu/cgi/viewcontent.cgi?referer=https://scholar.google.com/&httpsredir=1&article=1422&context=nsudigital\\_newspaper/](https://nsuworks.nova.edu/cgi/viewcontent.cgi?referer=https://scholar.google.com/&httpsredir=1&article=1422&context=nsudigital_newspaper/)

263.

Mancuso DS, Chlup DT, McWhorter RR. A Study of Adult Learning in a Virtual World. *Advances in Developing Human Resources*. 2010 Dec;12(6):681–699.

264.

Davies J, Graff M. Performance in e-learning: online participation and student grades. *British Journal of Educational Technology*. 2005 Jul;36(4):657–663.

265.

Mazzolini M, Maddison S. Sage, guide or ghost? The effect of instructor intervention on student participation in online discussion forums. *Computers & Education*. 2003 Apr;40(3):237–253.

266.

Poole DM. Student Participation in a Discussion-Oriented Online Course. *Journal of Research on Computing in Education*. 2000 Dec;33(2):162–177.

267.

Morris LV, Finnegan C, Wu SS. Tracking student behavior, persistence, and achievement in online courses. *The Internet and Higher Education*. 2005 Jul;8(3):221–231.

268.

Hew KF, Cheung WS. Attracting student participation in asynchronous online discussions: A case study of peer facilitation. *Computers & Education*. 2008 Nov;51(3):1111–1124.

269.

Bullen M. Participation and Critical Thinking in Online University Distance Education. *International Journal of E-Learning & Distance Education*; 1998;13(2). Available from: <http://ijede.ca/index.php/jde/article/view/140>

270.

Ertmer PA, Richardson JC, Belland B, Camin D, Connolly P, Coulthard G, Lei K, Mong C. Using Peer Feedback to Enhance the Quality of Student Online Postings: An Exploratory Study. *Journal of Computer-Mediated Communication*. 2007 Jan;12(2):412–433.

271.

McBrien JL, Cheng R, Jones P. Virtual Spaces: Employing a Synchronous Online Classroom to Facilitate Student Engagement in Online Learning. *The International Review of Research in Open and Distributed Learning*. 2009 Jun 26;10(3).

272.

Kibble J. Use of unsupervised online quizzes as formative assessment in a medical physiology course: effects of incentives on student participation and performance. *Advances in Physiology Education*. 2007 Sep;31(3):253–260.

273.

Swan K. Virtual interaction: Design factors affecting student satisfaction and perceived learning in asynchronous online courses. *Distance Education*. 2001 Jan;22(2):306–331.

274.

Beaudoin MF. Learning or lurking? The Internet and Higher Education. 2002 Jun;5(2):147–155.

275.

Caspi A, Chajut E, Saporta K. Participation in class and in online discussions: Gender differences. *Computers & Education*. 2008 Apr;50(3):718–724.

276.

Song L, Singleton ES, Hill JR, Koh MH. Improving online learning: Student perceptions of useful and challenging characteristics. *The Internet and Higher Education*. 2004 Jan;7(1):59–70.

277.

Junco R. The relationship between frequency of Facebook use, participation in Facebook activities, and student engagement. *Computers & Education*. 2012 Jan;58(1):162–171.

278.

Huang EY, Lin SW, Huang TK. What type of learning style leads to online participation in the mixed-mode e-learning environment? A study of software usage instruction. *Computers & Education*. 2012 Jan;58(1):338–349.

279.

Vonderwell S, Zachariah S. Factors that Influence Participation In Online Learning. *Journal of Research on Technology in Education*. 2005 Dec;38(2):213–230.

280.

Coldwell J, Craig A, Paterson T, Mustard J. Online students : relationships between participation, demographics and academic performance. *Electronic journal of e-learning*; 2008;6:19–30. Available from: <http://dro.deakin.edu.au/view/DU:30017242>

281.

Conrad D. Deep in the Hearts of Learners: Insights into the Nature of Online Community. *International Journal of E-Learning & Distance Education*; 2002;17(1):1–19. Available from: <http://www.ijede.ca/index.php/jde/article/view/133>

282.

Palmer S, Holt D, Bray S. Does the discussion help? The impact of a formally assessed online discussion on final student results. *British Journal of Educational Technology*. 2008 Sep;39(5):847–858.

283.

Hung ML, Chou C, Chen CH, Own ZY. Learner readiness for online learning: Scale development and student perceptions. *Computers & Education*. 2010 Nov;55(3):1080–1090.

284.

Cacciamani S, Cesareni D, Martini F, Ferrini T, Fujita N. Influence of participation, facilitator styles, and metacognitive reflection on knowledge building in online university courses. *Computers & Education*. 2012 Apr;58(3):874–884.

285.

Kim HK, Bateman B. Student Participation Patterns in Online Discussion: Incorporating Constructivist Discussion into Online Courses. *International Journal on E-Learning*; 2010;9(1). Available from: <https://www.learntechlib.org/p/28165/>

286.

Kelly M, Lyng C, McGrath M, Cannon G. A multi-method study to determine the effectiveness of, and student attitudes to, online instructional videos for teaching clinical nursing skills. *Nurse Education Today*. 2009 Apr;29(3):292–300.

287.

Robinson CC, Hullinger H. New Benchmarks in Higher Education: Student Engagement in Online Learning. *Journal of Education for Business*. 2008 Nov;84(2):101–109.

288.

Chen PSD, Lambert AD, Guidry KR. Engaging online learners: The impact of Web-based learning technology on college student engagement. *Computers & Education*. 2010 May;54(4):1222–1232.

289.

Boston W, Ice P. Comprehensive Assessment of Student Retention in Online Learning Environments [Internet]. *E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education*; 18AD. Available from: <https://www.learntechlib.org/p/35779/>

290.

Dennen VP. Pedagogical lurking: Student engagement in non-posting discussion behavior. *Computers in Human Behavior*. 2008 Jul;24(4):1624–1633.

291.

Shaw RS. A study of the relationships among learning styles, participation types, and performance in programming language learning supported by online forums. *Computers & Education*. 2012 Jan;58(1):111–120.

292.

Kim J. Influence of group size on students' participation in online discussion forums. *Computers & Education*. 2013 Mar;62:123–129.

293.

Xie K, Durrington V, Ling Ling Y. Relationship between Students' Motivation and their Participation in Asynchronous Online. *Journal of Online Learning and Teaching*; 2011;7(1). Available from: <https://search.proquest.com/docview/1497199021?pq-origsite=gscholar>

294.

Chen CY, Pedersen S, Murphy KL. The influence of perceived information overload on student participation and knowledge construction in computer-mediated communication. *Instructional Science*. 2012 Mar;40(2):325–349.

295.

Erichsen EA, Bolliger DU. Towards understanding international graduate student isolation in traditional and online environments. *Educational Technology Research and Development*. 2011 Jun;59(3):309–326.

296.

Cheung WS, Hew KF, Ng CSL. Toward an Understanding of Why Students Contribute in Asynchronous Online Discussions. *Journal of Educational Computing Research*. 2008 Jan;38(1):29–50.

297.

Allie S, Armien MN, Burgoyne N, Case JM, Collier-Reed BI, Craig TS, Deacon A, Fraser DM, Geyer Z, Jacobs C, Jawitz J, Kloot B, Kotta L, Langdon G, le Roux K, Marshall D, Mogashana D, Shaw C, Sheridan G, Wolmarans N. Learning as acquiring a discursive identity through participation in a community: improving student learning in engineering education. *European Journal of Engineering Education*. 2009 Aug;34(4):359–367.

298.

Kuo YC, Walker AE, Schroder KEE, Belland BR. Interaction, Internet self-efficacy, and self-regulated learning as predictors of student satisfaction in online education courses. *The Internet and Higher Education*. 2014 Jan;20:35–50.

299.

Ma WWK, Yuen AHK. Understanding online knowledge sharing: An interpersonal relationship perspective. *Computers & Education*. 2011 Jan;56(1):210-219.

300.

Harrison R, Thomas M. Identity in Online Communities: Social Networking Sites and Language Learning. *International Journal of Emerging Technologies and Society*; 2009;7(2). Available from: <https://search.proquest.com/docview/223216120?pq-origsite=gscholar>

301.

Wasilik O, Bolliger DU. Faculty satisfaction in the online environment: An institutional study. *The Internet and Higher Education*. 2009 Dec;12(3-4):173-178.

302.

Seale J. Doing student voice work in higher education: an exploration of the value of participatory methods. *British Educational Research Journal*. 2009 Jan;36(6):995-1015.

303.

Arbaugh JB, Desai A, Rau B, Sridhar BS. A review of research on online and blended learning in the management disciplines: 1994-2009. *Organization Management Journal*. 2010 Mar;7(1):39-55.

304.

Lee JS. The Relationship Between Student Engagement and Academic Performance: Is It a Myth or Reality? *The Journal of Educational Research*. 2014 May 4;107(3):177-185.

305.

Hosler KA, Arend BD. The importance of course design, feedback, and facilitation: student perceptions of the relationship between teaching presence and cognitive presence. *Educational Media International*. 2012 Sep;49(3):217-229.

306.

Conrad RM, Donaldson JA. Engaging the online learner: activities and resources for creative instruction. 1st ed. San Francisco, CA: Jossey-Bass; 2004.

307.

Kai-Wai Chu S, Kennedy DM. Using online collaborative tools for groups to co-construct knowledge. *Online Information Review*. 2011 Aug 9;35(4):581-597.

308.

Benne KD, Sheats P. Functional Roles of Group Members. *Journal of Social Issues*. 2010 Apr 14;4(2):41-49.

309.

Vincent Tinto. *Leaving college*. Chicago: University of Chicago Press; 1987.

310.

Boud D. Using journal writing to enhance reflective practice. *New Directions for Adult and Continuing Education*. 2001 Summer;2001(90).

311.

Boud D, Cohen RN, Sampson J. *Peer learning in higher education: learning from & with each other*. London: Kogan Page; 2001.

312.

Jara CA, Candelas FA, Torres F, Dormido S, Esquembre F, Reinoso O. Real-time collaboration of virtual laboratories through the Internet. *Computers & Education*. 2009 Jan;52(1):126-140.

313.

Delahunty J. 'Who am I?': Exploring identity in online discussion forums. *International Journal of Educational Research*. 2012 Jan;53:407-420.



314.

Pittaway SM. Student and Staff Engagement: Developing an Engagement Framework in a Faculty of Education. *Australian Journal of Teacher Education*. 2012 Apr 1;37(4).

315.

Strang KD. Measuring online learning approach and mentoring preferences of international doctorate students. *International Journal of Educational Research*. 2009 Jan;48(4):245–257.

316.

Keegan D. *Theoretical principles of distance education*. London: Routledge; 1993.

317.

Burgess A, Ivanič R. Writing and Being Written: Issues of Identity Across Timescales. *Written Communication*. 2010 Apr;27(2):228–255.

318.

Moore MG. Editorial: Three types of interaction. *American Journal of Distance Education*. 1989 Jan;3(2):1–7.

319.

Hiltz SR. *The virtual classroom: learning without limits via computer networks*. Norwood, N.J.: Ablex Pub. Corp; 1994.

320.

Kirkwood A, Price L. Learners and learning in the twenty-first century: what do we know about students' attitudes towards and experiences of information and communication technologies that will help us design courses? *Studies in Higher Education*. 2005 Jun;30(3):257–274.

321.

Cottrell S, Morris N. Study skills connected: using technology to support your studies. Basingstoke, Hampshire: Palgrave Macmillan; 2012.

322.

Muir T, Milthorpe N, Stone C, Dymont J, Freeman E, Hopwood B. Chronicling engagement: students' experience of online learning over time. Distance Education. 2019 Apr 3;40(2):262-277.

323.

Stone C. Opportunity through Online Learning: Improving student access, participation and success in higher education. Curtin University: Perth: The National Centre for Student Equity in Higher Education (NCSEHE); 2017; Available from: <https://www.ncsehe.edu.au/publications/opportunity-online-learning-improving-student-access-participation-success-higher-education/>

324.

Higher Education Standards Panel Final Report - Improving Retention, Completion and Success in Higher Education [Internet]. Australian Government Department of Education, Skills and Employment; 2018. Available from: <https://www.dese.gov.au/uncategorised/resources/higher-education-standards-panel-final-report-improving-retention-completion-and-success-higher>

325.

Fredricks JA, Blumenfeld PC, Paris AH. School Engagement: Potential of the Concept, State of the Evidence. Review of Educational Research. 2004 Mar;74(1):59-109.

326.

Kuh GD. Assessing What Really Matters to Student Learning Inside The National Survey of Student Engagement. Change: The Magazine of Higher Learning. 2001 May;33(3):10-17.

327.

Ilgaz H, Gülbahar Y. A snapshot of online learners: e-Readiness, e-Satisfaction and expectations. *The International Review of Research in Open and Distributed Learning*. 2015 Apr 15;16(2).

328.

Ragusa AT, Crampton A. Sense of connection, identity and academic success in distance education: sociologically exploring online learning environments. *Rural Society*. 2018 May 4;27(2):125-142.

329.

Delahunty J, Verenikina I, Jones P. Socio-emotional connections: identity, belonging and learning in online interactions. A literature review. *Technology, Pedagogy and Education*. 2014 Apr 3;23(2):243-265.

330.

Garrison DR, Cleveland-Innes M, Fung TS. Exploring causal relationships among teaching, cognitive and social presence: Student perceptions of the community of inquiry framework. *The Internet and Higher Education*. 2010 Jan;13(1-2):31-36.

331.

Salmon G. Flying not flapping: a strategic framework for e-learning and pedagogical innovation in higher education institutions. *Research in Learning Technology*. 2005 Oct 1;13(3).

332.

Black A. The use of asynchronous discussion: Creating a text of talk. *Contemporary Issues in Technology and Teacher Education*; 2005;5(1). Available from: <https://citejournal.org/volume-5/issue-1-05/english-language-arts/the-use-of-asynchronous-discussion-creating-a-text-of-talk>

333.

Anderson LW, Bloom BS. *A taxonomy for learning, teaching, and assessing: a revision of Bloom's taxonomy of educational objectives*. Abridged ed. New York, N.Y.: Longman; 2001.

334.

Mehrabian A. Some referents and measures of nonverbal behavior. *Behavior Research Methods & Instrumentation*. 1968 Jan;1(6):203-207.

335.

Fredricks JA, Blumenfeld PC, Paris AH. School Engagement: Potential of the Concept, State of the Evidence. *Review of Educational Research*. 2004 Mar;74(1):59-109.

336.

Kuh GD. Assessing What Really Matters to Student Learning Inside The National Survey of Student Engagement. *Change: The Magazine of Higher Learning*. 2001 May;33(3):10-17.

337.

Bloom B. *Taxonomy of Educational Objectives: The Classification of Educational Goals*. 1956.

338.

Bill Cope, Mary Kalantzis, Simon J. Appleford. *Ubiquitous Learning*. University of Illinois Press; 2010.

339.

Smith S, Pickford R, Edwards L, Priestley J, Sellers R, Sinclair G. Building a Sense Of Belonging in students: Using a participatory approach with staff to share academic practice. *Journal of Perspectives in Applied Academic Practice*. 2021 Jun 28;9(1):44-53.

340.

Akyol Z, Garrison DR, Ozden MY. Online and blended communities of inquiry: Exploring the developmental and perceptual differences. *The International Review of Research in Open and Distributed Learning*. 2009 Dec 23;10(6).

341.

Akyol Z, Garrison RD. The Development of a Community of Inquiry over Time in an Online Course: Understanding the Progression and Integration of Social, Cognitive and Teaching Presence. *Journal of Asynchronous Learning Networks*; 2008;12(3-4):3-22. Available from: <https://eric.ed.gov/?id=EJ837483>

342.

Akyol Z, Garrison DR. Understanding cognitive presence in an online and blended community of inquiry: Assessing outcomes and processes for deep approaches to learning. *British Journal of Educational Technology*. 2011 Mar;42(2):233-250.

343.

Allen E, Seaman J. Changing Course: Ten Years of Tracking Online Education in the United States [Internet]. Babson Survey Research Group and Quahog Research Group, LLC; Available from: <http://www.onlinelearningsurvey.com/reports/changingcourse.pdf>

344.

Anderman LH. Academic and Social Perceptions as Predictors of Change in Middle School Students' Sense of School Belonging. *The Journal of Experimental Education*. 2003 Jan;72(1):5-22.

345.

Anistranski JA, Brown BB. A Little Help From Their Friends? How Social Factors Relate to Students' Sense of Belonging at a Large Public University. *Journal of College Student Retention: Research, Theory & Practice*. 2021 Jan 15;

346.

Araújo N, Carlin D, Clarke B, Morieson L, Lukas K, Wilson R. Belonging in the first year: A creative discipline cohort case study. *The International Journal of the First Year in Higher Education*. 2014 Jul 23;5(2).

347.

Arcila Hernández LM, Zamudio KR, Drake AG, Smith MK. Implementing team-based learning in the life sciences: A case study in an online introductory level evolution and biodiversity course. *Ecology and Evolution*. 2020 Dec 17;

348.

Arciuli J, Emerson E, Llewellyn G. Adolescents' self-report of school satisfaction: The interaction between disability and gender. *School Psychology*. 2019 Mar;34(2):148–158.

349.

Araújo N, Carlin D, Clarke B, Morieson L, Lukas K, Wilson R. Belonging in the first year: A creative discipline cohort case study. *The International Journal of the First Year in Higher Education*. 2014 Jul 23;5(2).

350.

Bamford J, Pollard L. Developing relationality and student belonging: The need for building cosmopolitan engagement in undergraduate communities. *London Review of Education*. 2018 Jul 17;

351.

Bateman PJ, Gray PH, Butler BS. —The Impact of Community Commitment on Participation in Online Communities. *Information Systems Research*. 2011 Dec;22(4):841–854.

352.

Blanchard AL, Markus ML. Sense of virtual community - maintaining the experience of belonging. *Proceedings of the 35th Annual Hawaii International Conference on System Sciences [Internet]*. *IEEE Comput. Soc*; 2002. p. 3566–3575. Available from: <http://ieeexplore.ieee.org/document/994449/>

353.

Blanchard AL, Markus ML. The experienced 'sense' of a virtual community. *ACM SIGMIS Database*. 2004 Feb 3;35(1).

354.

Boumadan M, Soto-Varela R, Ortiz-Padilla M, Poyatos-Dorado C. What Factors Determine the Value of an Online Teacher Education Experience from a Teacher's Perspective? Sustainability. 2020 Sep 30;12(19).

355.

Bolliger DU, Martin F. Instructor and student perceptions of online student engagement strategies. Distance Education. 2018 Oct 2;39(4):568-583.

356.

Booker K. Connection and Commitment: How Sense of Belonging and Classroom Community Influence Degree Persistence for African American Undergraduate Women. International Journal of Teaching and Learning in Higher Education; 2016;28(2):218-229. Available from: <https://eric.ed.gov/?id=EJ1111140>

357.

Booker KC. Likeness, Comfort, and Tolerance: Examining African American Adolescents' Sense of School Belonging. The Urban Review. 2007 Jul 25;39(3):301-317.

358.

Borgonovi F, Ferrara A. Academic achievement and sense of belonging among non-native-speaking immigrant students: The role of linguistic distance. Learning and Individual Differences. 2020 Jul;81.

359.

Borup J, West RE, Graham CR. Improving online social presence through asynchronous video. The Internet and Higher Education. 2012 Jun;15(3):195-203.

360.

Brown RE. The process of community-building in distance learning classes. JLAN; 2001;5(2). Available from: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.467.113&rep=rep1&type=pdf>

361.

Burke P, Bennett A, Burgess C, Gray K, Southgate E. Capability, Belonging and Equity in Higher Education: Developing Inclusive Approach. Australia: Centre of Excellence for Equity in Higher Education, University of Newcastle; 2016; Available from: [https://www.newcastle.edu.au/\\_\\_data/assets/pdf\\_file/0011/243992/CAPABILITY-ONLINE.pdf](https://www.newcastle.edu.au/__data/assets/pdf_file/0011/243992/CAPABILITY-ONLINE.pdf)

362.

Parker EC. Exploring student experiences of belonging within an urban high school choral ensemble: an action research study. *Music Education Research*. 2010 Dec;12(4):339-352.

363.

Carvalho L, Garduno Freeman C, Kearney A, Mentis M, Martinez-Maldonado R. Spaces of inclusion and belonging: The learning imaginaries of doctoral students in a multi-campus and distance university. *Australasian Journal of Educational Technology*. 2018 Dec 18;34(6).

364.

Carroll D, Fulmer C, Sobel D, Garrison-Wade D, Aragon L, Corval L. Peer reviewed PDF on ERIC Download full text ERIC Number: EJ937180 Record Type: Journal Publication Date: 2011 Pages: 8 Abstractor: As Provided Reference Count: 36 ISBN: N/A ISSN: ISSN-0827-3383 School Culture for Students with Significant Support Needs: Belonging Is Not Enough. 2nd ed. *International Journal of Special Education*; 2011;26:120-127. Available from: <https://eric.ed.gov/?id=EJ937180>

365.

Cashmore A, Scott J, Cane C. "Belonging" and "intimacy" factors in the retention of students - an investigation into the student perceptions of effective practice and how that practice can be replicated. University of Leicester; Available from: [https://www.heacademy.ac.uk/system/files/resources/leicester\\_what\\_works\\_final\\_report\\_0.pdf](https://www.heacademy.ac.uk/system/files/resources/leicester_what_works_final_report_0.pdf)

366.



Kate Carruthers Thomas. Rethinking Student Belonging in Higher Education. Routledge;

367.

Chinyamurindi WT. Narratives of a sense of belonging: Perspectives from a sample of international students in South Africa. South African Journal of Higher Education. 2018 Jul;32(3).

368.

Cooper R. Constructing Belonging in a Diverse Campus Community. Journal of College and Character. 2009 Feb;10(3).

369.

Dawson S. 'Seeing' the learning community: An exploration of the development of a resource for monitoring online student networking. British Journal of Educational Technology. 2010 Sep;41(5):736-752.

370.

Dabbagh N. The Online Learner: Characteristics and Pedagogical Implications. Society for Information Technology & Teacher Education; 7(3). Available from: <https://www.learntechlib.org/p/22904/>

371.

Dahlstrom-Hakki I, Alstad Z, Banerjee M. Comparing synchronous and asynchronous online discussions for students with disabilities: The impact of social presence. Computers & Education. 2020 Jun;150.

372.

Delaney L, Brown M. To walk invisible: distance students in a dual-mode university. Distance Education. 2018 Apr 3;39(2):209-223.

373.

Ebert L, Levett-Jones T, Jones D. Nursing and Midwifery Students' Sense of Connectedness Within Their Learning Communities. *Journal of Nursing Education*. 2019 Jan 1;58(1):47–52.

374.

Farrell O, Brunton J. A balancing act: a window into online student engagement experiences. *International Journal of Educational Technology in Higher Education*. 2020 Dec;17(1).

375.

Freeman TM, Anderman LH, Jensen JM. Sense of Belonging in College Freshmen at the Classroom and Campus Levels. *The Journal of Experimental Education*. 2007 Apr;75(3):203–220.

376.

Fiock H. Designing a Community of Inquiry in Online Courses. *The International Review of Research in Open and Distributed Learning*. 2020 Jan 1;21(1):134–152.

377.

Foley K, Marr L. Scaffolding Extracurricular Online Events to Support Distance Learning University Students. *Journal of Interactive Media in Education*. 2019 Sep 10;2019(1).

378.

Garrison DR, Cleveland-Innes M. Facilitating Cognitive Presence in Online Learning: Interaction Is Not Enough. *American Journal of Distance Education*. 2005 Sep;19(3):133–148.

379.

Garrison DR, Arbaugh JB. Researching the community of inquiry framework: Review, issues, and future directions. *The Internet and Higher Education*. 2007 Jan;10(3):157–172.

380.

Gao J, Zhao B, Tu M, Xiong Y. The Construction of Online Learning Community for Learners' Sense of Belonging. 2018 IEEE 9th International Conference on Software Engineering and Service Science (ICSESS) [Internet]. IEEE; 2018. p. 1-4. Available from: <https://ieeexplore.ieee.org/document/8663792/>

381.

Goodenow C. Classroom Belonging among Early Adolescent Students. *The Journal of Early Adolescence*. 1993 Feb;13(1):21-43.

382.

Goodenow C. The psychological sense of school membership among adolescents: Scale development and educational correlates. *Psychology in the schools*; 30(1):79-90. Available from: <https://onlinelibrary.wiley.com/doi/pdf/10.1002/1520-6807%28199301%2930%3A1%3C79%3A%3AAID-PITS2310300113%3E3.0.CO%3B2-X>

383.

Graff M. Individual Differences in Sense of Classroom Community in a Blended Learning Environment. *Journal of Educational Media*. 2003 Oct;28(2-3):203-210.

384.

Greenland SJ, Moore C. Patterns of online student enrolment and attrition in Australian open access online education: a preliminary case study. *Open Praxis*. 2014 Feb 13;6(1).

385.

Guthrie KL, Meriwether JL. Leadership Development in Digital Spaces Through Mentoring, Coaching, and Advising. *New Directions for Student Leadership*. 2018 Jun;2018(158):99-110.

386.

Halic O, Lee D, Paulus T, Spence M. To blog or not to blog: Student perceptions of blog

effectiveness for learning in a college-level course. *The Internet and Higher Education*. 2010 Dec;13(4):206–213.

387.

Hausmann LRM, Schofield JW, Woods RL. Sense of Belonging as a Predictor of Intentions to Persist Among African American and White First-Year College Students. *Research in Higher Education*. 2007 Jul 16;48(7):803–839.

388.

Haythornthwaite C, Kazmer MM, Robins J, Shoemaker S. Community Development Among Distance Learners: Temporal and Technological Dimensions. *Journal of Computer-Mediated Communication*. 2006 Jun 23;6(1).

389.

Caroline Haythornthwaite. *The Internet in Everyday Life*. New York: John Wiley & Sons, Ltd.; 2007.

390.

Hernández-Sellés N, González-Sanmamed M. Computer-supported collaborative learning: An analysis of the relationship between interaction, emotional support and online collaborative tools. *Computers & Education*. 2019 Sep;138:1–12.

391.

Herridge AS, McNaughtan J, James LJ. Online Orientation among Community College Students: Academic Engagement and Sense of Belonging. *Journal of Applied Research in the Community College*; 2020;27(1):17–31. Available from: <https://search.proquest.com/docview/2401888477/abstract/D9141AB7BC6F4CB0PQ/1?accountid=14116>

392.

Hoffman M, Richmond J, Morrow J, Salomone K. Investigating "Sense of Belonging" in First-Year College Students. *Journal of College Student Retention: Research, Theory & Practice*. 2002 Nov;4(3):227–256.

393.

Hofstede GH, Hofstede GJ. Cultures and organizations: software of the mind : [intercultural cooperation and its importance for survival]. [Rev. & exp. 2nd ed.]. New York, NY: McGraw-Hill; 2005.

394.

Hrastinski S. What is online learner participation? A literature review. Computers & Education. 2008 Dec;51(4):1755–1765.

395.

Hrastinski S. A theory of online learning as online participation. Computers & Education. 2009 Jan;52(1):78–82.

396.

Llm DH, Morris ML, Kurpritz VW. Online vs. Blended Learning: Differences in Instructional Outcomes and Learner Satisfaction. 2nd ed. Journal of Asynchronous Learning Networks; 2007;11:27–42. Available from: <https://eric.ed.gov/?id=EJ842695>

397.

Hughes G. Diversity, identity and belonging in e-learning communities: some theories and paradoxes. Teaching in Higher Education. 2007 Oct;12(5):709–720.

398.

Hughes G. Identity and belonging in social learning groups: the importance of distinguishing social, operational and knowledge-related identity congruence. British Educational Research Journal. 2010 Feb;36(1):47–63.

399.

Hurtado S, Carter DF. Effects of College Transition and Perceptions of the Campus Racial Climate on Latino College Students' Sense of Belonging. Sociology of Education. 1997 Oct;70(4).

400.

Illeris K. Transformative Learning and Identity. *Journal of Transformative Education*. 2014 Apr;12(2):148–163.

401.

Joan Mantz Yorke L, Hill M, O' Mahony J, York M. Supporting student success: strategies for institutional change [Internet]. Higher Education Academy; 2017. Available from: <https://www.advance-he.ac.uk/knowledge-hub/supporting-student-success-strategies-institutional-change>

402.

Johnson DR, Soldner M, Leonard JB, Alvarez P, Inkelas KK, Rowan-Kenyon HT, Longerbeam SD. Examining Sense of Belonging Among First-Year Undergraduates From Different Racial/Ethnic Groups. *Journal of College Student Development*. 2007;48(5):525–542.

403.

Johnson G, Scholes K, Whittington R. Exploring corporate strategy: text and cases [Internet]. 8th ed. Harlow, Essex: Financial Times Prentice Hall; 2008. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780273724186>

404.

Johnson C, Taylor J. Validity and Reliability of the Sense of Belonging Instrument with Online Graduate Nursing Students. 2019 Eighth International Conference on Educational Innovation through Technology (EITT) [Internet]. IEEE; 2019. p. 16–18. Available from: <https://ieeexplore.ieee.org/document/8924049/>

405.

Jowsey T, Foster G, Cooper-Ioelu P, Jacobs S. Blended learning via distance in pre-registration nursing education: A scoping review. *Nurse Education in Practice*. 2020 Mar;44.

406.

Joo YJ, Lim KY, Kim EK. Online university students' satisfaction and persistence: Examining perceived level of presence, usefulness and ease of use as predictors in a structural model. *Computers & Education*. 2011 Sep;57(2):1654-1664.

407.

Kahu E. Increasing the emotional engagement of first year mature-aged distance students: Interest and belonging. *The International Journal of the First Year in Higher Education*. 2014 Jul 27;5(2).

408.

Kara M, Erdoğdu F, Kokoç M, Cagiltay K. Challenges Faced by Adult Learners in Online Distance Education: A Literature Review. *Open Praxis*. 2019 Mar 4;11(1).

409.

Kift S, Nelson K, Clarke J. Transition pedagogy: A third generation approach to FYE - A case study of policy and practice for the higher education sector. *The International Journal of the First Year in Higher Education*; 2010;1(1):1-20. Available from: <https://fyhejournal.com/article/download/13/60/13-1-153-1-10-20100802.pdf>

410.

Klem AM, Connell JP. Relationships Matter: Linking Teacher Support to Student Engagement and Achievement. *Journal of School Health*. 2004 Sep;74(7):262-273.

411.

Kim DJ, Zhang D. The Effects of Sense of Presence, Sense of Belonging, and Cognitive Absorption on Satisfaction and User Loyalty toward an Immersive 3D Virtual World. In: Sharman R, Rao HR, Raghu TS, editors. *Exploring the Grand Challenges for Next Generation E-Business [Internet]*. Berlin, Heidelberg: Springer Berlin Heidelberg; 2011. p. 30-43. Available from: [http://link.springer.com/10.1007/978-3-642-17449-0\\_4](http://link.springer.com/10.1007/978-3-642-17449-0_4)

412.

Kizilcec RF, Kambhampaty A. Identifying course characteristics associated with

sociodemographic variation in enrollments across 159 online courses from 20 institutions. PLOS ONE. 2020 Oct 14;15(10).

413.

Koh J, Kim YG, Kim YG. Sense of Virtual Community: A Conceptual Framework and Empirical Validation. *International Journal of Electronic Commerce*; 2003;8(2):75–94.

Available from:

<https://www.tandfonline.com/doi/abs/10.1080/10864415.2003.11044295#aHR0cHM6Ly93d3cudGFuZGZvbmxpbmUuY29tL2RvaS9wZGYvMTAuMTA4MC8xMDg2NDQxNS4yMDAzLjExMDQ0Mjk1P25lZWRBY2Nlc3M9dHJ1ZUBAQDA=>

414.

Kubincova E, Dale VHM, Kerr J. How a MOOC can effectively facilitate student transitions to an online distance postgraduate programme. *Research in Learning Technology*. 2018 Sep 20;26.

415.

Laurie MM. eService-Learning. In: Delello JA, McWhorter RR, editors. *Disruptive and Emerging Technology Trends Across Education and the Workplace* [Internet]. IGI Global; 2020. p. 116–142. Available from:

<http://services.igi-global.com/resolvedoi/resolve.aspx?doi=10.4018/978-1-7998-2914-0.ch005>

416.

Leavitt HJ, Pondy LR, Boje DM. *Readings in managerial psychology*. 4th ed. Chicago: Chicago U.P; 1989.

417.

Lee K, Choi H, Cho YH. Becoming a competent self: A developmental process of adult distance learning. *The Internet and Higher Education*. 2019 Apr;41:25–33.

418.

Liu X, Magjuka RJ, Bonk CJ, Lee S hee. DOES SENSE OF COMMUNITY MATTER? An Examination of Participants' Perceptions of Building Learning Communities in Online



Courses. *Quarterly Review of Distance Education*; 2007;8(1):87–88. Available from: <https://search.proquest.com/docview/231180604?pq-origsite=gscholar>

419.

Locks AM, Hurtado S, Bowman NA, Oseguera L. Extending Notions of Campus Climate and Diversity to Students' Transition to College. *The Review of Higher Education*. 2008;31(3):257–285.

420.

Ludwig-hardman S, Dunlap JC. Learner Support Services for Online Students: Scaffolding for success. *The International Review of Research in Open and Distributed Learning*. 2003 Apr 1;4(1).

421.

Lopez SJ, Louis MC. The Principles of Strengths-Based Education. *Journal of College and Character*. 2009 Apr;10(4).

422.

Mason A. *Community, solidarity, and belonging: levels of community and their normative significance*. Cambridge: Cambridge University Press; 2000.

423.

Maor D. The Teacher's Role in Developing Interaction and Reflection in an Online Learning Community. *Educational Media International*. 2003 Jan;40(1-2):127–138.

424.

Masika R, Jones J. Building student belonging and engagement: insights into higher education students' experiences of participating and learning together. *Teaching in Higher Education*. 2016 Feb 17;21(2):138–150.

425.

Information technology and constructivism in higher education. Hershey, PA: Information Science Reference; 2009.

426.

Oliveira MMS de, Penedo AST, Pereira VS. Distance education: advantages and disadvantages of the point of view of education and society. *Dialogia*. 2018 Aug 24;(29):139-152.

427.

Matheson R, Sutcliffe M. Creating belonging and transformation through the adoption of flexible pedagogies in masters level international business management students. *Teaching in Higher Education*. 2017 Jan 2;22(1):15-29.

428.

Martinez M. High attrition rates in e-learning: challenges, predictors, and solutions. *The E-learning Developers Journal*; 2003;1-9. Available from: <https://www.learningguild.com/pdf/2/071403mgt-l.pdf>

429.

Maestas R, Vaquera GS, Zehr LM. Factors Impacting Sense of Belonging at a Hispanic-Serving Institution. *Journal of Hispanic Higher Education*. 2007 Jul;6(3):237-256.

430.

Maslow AH. A theory of human motivation. *Psychological Review*. 1943;50(4):370-396.

431.

Maslow AH. A Theory of Human Motivation. Sublime books; 14AD.

432.

Maslow AH. Toward a Psychology of Being. Dancing Unicorn Books; 28AD.

433.

McInnerney JM, Roberts TS. Online Learning: Social Interaction and the Creation of a Sense of Community. *Educational Technology & Society*; 2004;7(3):73–81. Available from: <https://www.jstor.org/stable/jeductechsoci.7.3.73>

434.

Meehan C, Howells K. In search of the feeling of 'belonging' in higher education: undergraduate students transition into higher education. *Journal of Further and Higher Education*. 2018 Sep 6;1–15.

435.

Miller JJ. Impact of a University Recreation Center on Social Belonging and Student Retention. *Recreational Sports Journal*. 2011 Oct;35(2):117–129.

436.

Millei Z, Sumsion J. The 'Work' of Community in Belonging, Being and Becoming: The Early Years Learning Framework for Australia. *Contemporary Issues in Early Childhood*. 2011 Mar;12(1):71–85.

437.

Dos Santos LM. How Does COVID-19 Pandemic Influence the Sense of Belonging and Decision-Making Process of Nursing Students: The Study of Nursing Students' Experiences. *International Journal of Environmental Research and Public Health*. 2020 Aug 3;17(15).

438.

Moller L. Designing communities of learners for asynchronous distance education. *Educational Technology Research and Development*. 1998 Dec;46(4):115–122.

439.

Moore C, Greenland S. Employment-driven online student attrition and the assessment policy divide: An Australian open-access higher education perspective. *Journal of Open, Flexible and Distance Learning*; 2017;21(1):52–62. Available from:

<https://files.eric.ed.gov/fulltext/EJ1148193.pdf>

440.

Muse HE. The Web-based community college student: An examination of factors that lead to success and risk. *The Internet and Higher Education*. 2003 Jul;6(3):241–261.

441.

Ní Shé C, Farrell O, Brunton J, Costello E, Donlon E, Trevaskis S, Eccles S. Teaching online is different: critical perspectives from the literature. Dublin City University; 2019; Available from: <http://doras.dcu.ie/23890/>

442.

O'Keeffe P. A sense of belonging: Improving student retention. *College Student Journal*; 2013;47(4):605–613. Available from: [https://researchrepository.rmit.edu.au/discovery/fulldisplay?docid=alma9921862552801341&context=L&vid=61RMIT\\_INST:ResearchRepository&lang=en&search\\_scope=Research&adaptor=Local%20Search%20Engine&tab=Research&query=any,contains,A%20sense%20of%20belonging:%20Improving%20student%20retention&offset=0](https://researchrepository.rmit.edu.au/discovery/fulldisplay?docid=alma9921862552801341&context=L&vid=61RMIT_INST:ResearchRepository&lang=en&search_scope=Research&adaptor=Local%20Search%20Engine&tab=Research&query=any,contains,A%20sense%20of%20belonging:%20Improving%20student%20retention&offset=0)

443.

O' Shea S, Stone C, Delahunty J. "I 'feel' like I am at university even though I am online." Exploring how students narrate their engagement with higher education institutions in an online learning environment. *Distance Education*. 2015 Jan 2;36(1):41–58.

444.

Osterman KF. Students' Need for Belonging in the School Community. *Review of Educational Research*. 2000 Sep;70(3):323–367.

445.

Osterman KF. Teacher Practice and Students' Sense of Belonging. In: Lovat T, Toomey R, Clement N, editors. *International Research Handbook on Values Education and Student Wellbeing* [Internet]. Dordrecht: Springer Netherlands; 2010. p. 239–260. Available from: [http://link.springer.com/10.1007/978-90-481-8675-4\\_15](http://link.springer.com/10.1007/978-90-481-8675-4_15)

446.

Palloff RM, Pratt K. *The virtual student: a profile and guide to working with online learners*. San Francisco, Calif: Jossey-Bass; 2003.

447.

Page A, Charteris J, Anderson J, Boyle C. Fostering school connectedness online for students with diverse learning needs: inclusive education in Australia during the COVID-19 pandemic. *European Journal of Special Needs Education*. 2021 Jan 24;1-15.

448.

Peacock S, DePlacido C. Supporting Staff Transitions into Online Learning: A Networking Approach. *Journal of Perspectives in Applied Academic Practice*. 2018 Sep 5;6(2):67-75.

449.

Peacock S, Cowan J, Irvine L, Williams J. An Exploration Into the Importance of a Sense of Belonging for Online Learners. *The International Review of Research in Open and Distributed Learning*. 2020 Apr 8;21(2):18-35.

450.

Pittman LD, Richmond A. University Belonging, Friendship Quality, and Psychological Adjustment During the Transition to College. *The Journal of Experimental Education*. 2008 Jul;76(4):343-362.

451.

Procentese F, Capone V, Caso D, Donizzetti A, Gatti F. Academic Community in the Face of Emergency Situations: Sense of Responsible Togetherness and Sense of Belonging as Protective Factors against Academic Stress during COVID-19 Outbreak. *Sustainability*. 2020 Nov 21;12(22).

452.

Preece J, Nonnecke B, Andrews D. The top five reasons for lurking: improving community experiences for everyone. *Computers in Human Behavior*. 2004 Mar;20(2):201–223.

453.

Quinn J. Belonging in a learning community: The re-imagined university and imagined social capital. *Studies in the Education of Adults*. 2005 Mar;37(1):4–17.

454.

Redmond P, Heffernan A, Abawi L, Brown A, Henderson R. An Online Engagement Framework for Higher Education. *Online Learning*. 2018 Mar 1;22(1).

455.

Rizvi S, Rienties B, Khoja SA. The role of demographics in online learning; A decision tree based approach. *Computers & Education*. 2019 Aug;137:32–47.

456.

Rogaly B, Taylor B. *Moving histories of class and community: identity, place and belonging in contemporary England*. Pbk. ed. Houndmills: Palgrave Macmillan; 2011.

457.

Roberts J. Future and changing roles of staff in distance education: a study to identify training and professional development needs. *Distance Education*. 2018 Jan 2;39(1):37–53.

458.

Rovai AP. Sense of community, perceived cognitive learning, and persistence in asynchronous learning networks. *The Internet and Higher Education*. 2002 Jan;5(4):319–332.

459.

Rovai AP. Sense of community, perceived cognitive learning, and persistence in

asynchronous learning networks. *The Internet and Higher Education*. 2002 Jan;5(4):319-332.

460.

Rovai AP. Development of an instrument to measure classroom community. *The Internet and Higher Education*. 2002 Sep;5(3):197-211.

461.

Rovai AP, Jordan H. Blended Learning and Sense of Community: A Comparative Analysis with Traditional and Fully Online Graduate Courses. *The International Review of Research in Open and Distributed Learning*. 2004 Aug 1;5(2).

462.

Rovai AP, Wighting MJ. Feelings of alienation and community among higher education students in a virtual classroom. *The Internet and Higher Education*. 2005 Apr;8(2):97-110.

463.

Rovai AP. Building classroom community at a distance: A case study. *Educational Technology Research and Development*. 2001 Dec;49(4):33-48.

464.

Rovai AP. In search of higher persistence rates in distance education online programs. *The Internet and Higher Education*. 2003 Jan;6(1):1-16.

465.

Rovai AP, Wighting MJ. Feelings of alienation and community among higher education students in a virtual classroom. *The Internet and Higher Education*. 2005 Apr;8(2):97-110.

466.

Rovai AP. Building Sense of Community at a Distance. *The International Review of Research in Open and Distributed Learning*. 2002 Apr 1;3(1).

467.

Salles A, Wright RC, Milam L, Panni RZ, Liebert CA, Lau JN, Lin DT, Mueller CM. Social Belonging as a Predictor of Surgical Resident Well-being and Attrition. *Journal of Surgical Education*. 2019 Mar;76(2):370–377.

468.

Saykılı A. Distance Education: Definitions, Generations, Key Concepts and Future Directions. *International Journal of Contemporary Educational Research*; 2018;5(1):2–17. Available from: <http://ijcer.net/en/download/article-file/498240>

469.

Schlossberg NK. Marginality and mattering: Key issues in building community. *New Directions for Student Services*. 1989 Winter;1989(48):5–15.

470.

Sedgwick M, Rougeau J. Points of tension: a qualitative descriptive study of significant events that influence undergraduate nursing students' sense of belonging. *Rural and Remote Health*; 30AD;10(4). Available from: <https://www.rrh.org.au/journal/article/1569>

471.

Ormond Simpson. *Student retention in online, open, and distance learning*. London: Kogan Page; 2003.

472.

Shea P, Sau Li C, Pickett A. A study of teaching presence and student sense of learning community in fully online and web-enhanced college courses. *The Internet and Higher Education*. 2006 Jul;9(3):175–190.

473.



Shea P, Bidjerano T. Learning presence: Towards a theory of self-efficacy, self-regulation, and the development of a communities of inquiry in online and blended learning environments. *Computers & Education*. 2010 Dec;55(4):1721–1731.

474.

Shea P, Swan K, Sau LI C, Pickett A. DEVELOPING LEARNING COMMUNITY IN ONLINE ASYNCHRONOUS COLLEGE COURSES: THE ROLE OF TEACHING PRESENCE. *Journal of Asynchronous*; 2005; Available from: [https://s3.amazonaws.com/academia.edu.documents/4091310/10.1.1.96.343.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1529508933&Signature=fr14pmkLcSToqoCpe42%2FpF2jwY%3D&response-content-disposition=inline%3B%20filename%3DDeveloping\\_learning\\_community\\_in\\_online.pdf](https://s3.amazonaws.com/academia.edu.documents/4091310/10.1.1.96.343.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1529508933&Signature=fr14pmkLcSToqoCpe42%2FpF2jwY%3D&response-content-disposition=inline%3B%20filename%3DDeveloping_learning_community_in_online.pdf)

475.

Smoyer AB, O'Brien K, Rodriguez-Keyes E. Lessons learned from COVID-19: Being known in online social work classrooms. *International Social Work*. 2020 Sep;63(5):651–654.

476.

Seymour-Walsh A, Weber A, Bell A. Practical approaches to pedagogically rich online tutorials in health professions education. *Rural and Remote Health*. 2020 May 30;

477.

Solomon Y. Not belonging? What makes a functional learner identity in undergraduate mathematics? *Studies in Higher Education*. 2007 Feb;32(1):79–96.

478.

Soria KM, Stubblefield R. Knowing Me, Knowing You. *Journal of College Student Retention: Research, Theory & Practice*. 2015 Nov;17(3):351–372.

479.

Spanierman LB, Soble JR, Mayfield JB, Neville HA, Aber M, Khuri L, De La Rosa B. Living Learning Communities and Students' Sense of Community and Belonging. *Journal of Student Affairs Research and Practice*. 2013 Jul;50(3):308–325.

480.

Stacey E. Collaborative Learning in an Online Environment. *International Journal of E-Learning & Distance Education*; 1999;14(2):14-33. Available from: <http://www.ijede.ca/index.php/jde/article/view/154>

481.

Stone C, O'Shea S. Older, online and first: Recommendations for retention and success. *Australasian Journal of Educational Technology*. 2019 Mar 21;35(1).

482.

Stodel EJ, Thompson TL, MacDonald CJ. Learners' Perspectives on what is Missing from Online Learning: Interpretations through the Community of Inquiry Framework. *The International Review of Research in Open and Distributed Learning*. 2006 Dec 20;7(3).

483.

Stewart AJ. Sense of belonging in digital spaces [Internet]. Fresno State University; 2020. Available from: <https://scholarworks.calstate.edu/concern/theses/kd17cw43j>

484.

Strayhorn TL, Ebooks Corporation Limited. College students' sense of belonging: a key to educational success for all students [Internet]. New York: Routledge; 2012. Available from: <http://GLA.ebib.com/patron/FullRecord.aspx?p=1101369>

485.

Tett L, Cree VE, Christie H. From further to higher education: transition as an on-going process. *Higher Education*. 2017 Mar;73(3):389-406.

486.

Thomas L, Herbert J, Teras M. A sense of belonging to enhance participation, success and retention in online programs. *The International Journal of the First Year in Higher Education*. 2014 Jul 27;5(2).

487.

Toufaily E, Zalan T, Lee D. What Do Learners Value in Online Education? An Emerging Market Perspective. *e-Journal of Business Education and Scholarship of Teaching*; 2018;12(2):24-39. Available from: <https://eric.ed.gov/?id=EJ1193341>

488.

Tovar E, Simon MA. Factorial Structure and Invariance Analysis of the Sense of Belonging Scales. *Measurement and Evaluation in Counseling and Development*. 2010 Oct;43(3):199-217.

489.

Todri A, Papajorgji P, Moskowitz H, Scalera F. Perceptions regarding Distance Learning in Higher Education, Smoothing the Transition. *Contemporary Educational Technology*. 2020 Nov 28;13(1).

490.

Trawalter S, Hoffman K, Palmer L. Out of place: Socioeconomic status, use of public space, and belonging in higher education. *Journal of Personality and Social Psychology*. 2021 Jan;120(1):131-144.

491.

Trujillo G, Tanner KD. Considering the Role of Affect in Learning: Monitoring Students' Self-Efficacy, Sense of Belonging, and Science Identity. *CBE—Life Sciences Education*. 2014 Mar;13(1):6-15.

492.

Supporting student transitions into online learning [Internet]. University of Edinburgh; 2018. Available from: <https://www.teaching-matters-blog.ed.ac.uk/supporting-student-transitions-into-online-learning/>

493.

Student Transitions Map [Internet]. QAA Scotland; Available from: <https://www.studenttransitionmap.uk/images/studentTransImage.pdf>

494.

Vaccaro A, Daly-Cano M, Newman BM. A Sense of Belonging Among College Students With Disabilities: An Emergent Theoretical Model. *Journal of College Student Development*. 2015;56(7):670–686.

495.

Vaccaro A, Newman BM. A Sense of Belonging Through the Eyes of First-Year LGBQ Students. *Journal of Student Affairs Research and Practice*. 2017 Apr 3;54(2):137–149.

496.

Whittaker AA. Effects of Team-Based Learning on Self-Regulated Online Learning. *International Journal of Nursing Education Scholarship*. 2015 Jan 1;12(1):45–54.

497.

White J, Nonnamaker J. Belonging and Mattering: How Doctoral Students Experience Community. *Journal of Student Affairs Research and Practice*. 2008 Jan 3;45(3).

498.

Wilson D, Jones D, Bocell F, Crawford J, Kim MJ, Veilleux N, Floyd-Smith T, Bates R, Plett M. Belonging and Academic Engagement Among Undergraduate STEM Students: A Multi-institutional Study. *Research in Higher Education*. 2015 Nov;56(7):750–776.

499.

Wilson D, Spring D, Hansen L. Psychological sense of community & belonging in engineering education. 2008 38th Annual Frontiers in Education Conference [Internet]. IEEE; 2008. p. F3F-21-F3F-24. Available from: <http://ieeexplore.ieee.org/document/4720650/>

500.

Williams J, Ritter J, Bullock SM. Understanding the Complexity of Becoming a Teacher Educator: Experience, belonging, and practice within a professional learning community. *Studying Teacher Education*. 2012 Nov;8(3):245–260.

501.

Pichon HW. Developing a sense of belonging in the classroom: community college students taking courses on a four-year college campus. *Community College Journal of Research and Practice*. 2016 Jan 2;40(1):47–59.

502.

Won S, Hensley LC, Wolters CA. Brief Research Report: Sense of Belonging and Academic Help-Seeking as Self-Regulated Learning. *The Journal of Experimental Education*. 2021 Jan 2;89(1):112–124.

503.

Xie X, Siau K, Nah FFH. COVID-19 pandemic – online education in the new normal and the next normal. *Journal of Information Technology Case and Application Research*. 2020 Jul 2;22(3):175–187.

504.

Yoo SJ, Huang WD. Engaging Online Adult Learners in Higher Education: Motivational Factors Impacted by Gender, Age, and Prior Experiences. *The Journal of Continuing Higher Education*. 2013 Sep;61(3):151–164.

505.

Ahn MY, Davis HH. Students' sense of belonging and their socio-economic status in higher education: a quantitative approach. *Teaching in Higher Education*. 2020 Jun 16;1–14.

506.

Zhao L, Lu Y, Wang B, Chau PYK, Zhang L. Cultivating the sense of belonging and motivating user participation in virtual communities: A social capital perspective. *International Journal of Information Management*. 2012 Dec;32(6):574–588.

507.

Wellman B. Networks in the Global Village [Internet]. Wellman B, editor. Routledge; 2018. Available from: <https://www.taylorfrancis.com/books/9780429967269>

508.

Bayne S. 'Mere jelly': the bodies of networked learners [Internet]. Sheffield: Networked Learning 2004; 2004. Available from: <https://pdfs.semanticscholar.org/e0d0/beedd312c42807da2dbfba48b72fb54c56d1.pdf>

509.

Bellack AA, Davitz JR. The language of the classroom, meanings communicated in high school teaching. Columbia University; 1963; Available from: <https://eric.ed.gov/?id=ED003273>

510.

Hagerty BM, Williams RA, Coyne JC, Early MR. Sense of belonging and indicators of social and psychological functioning. Archives of Psychiatric Nursing. 1996 Aug;10(4):235–244.

511.

Shillington S, Brown M, MacKay A, Paewai S, Suddaby G, White F. Avoiding the goulash: closing gaps and bridging distances. Open Learning: The Journal of Open, Distance and e-Learning. 2012 Feb;27(1):65–80.

512.

Kahu ER. Framing student engagement in higher education. Studies in Higher Education. 2013 Jun;38(5):758–773.

513.

Pina Tarricone. The taxonomy of metacognition [Internet]. London: PsyPress; 2011. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=668569>

514.

Vygotskiĭ LS, Askews & Holts Library Services. Mind in society: the development of higher psychological processes [Internet]. Cole M, John-Steiner V, Scribner S, Souberman E, editors. Cambridge, Massachusetts: Harvard University Press; 1978. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780674076686>

515.

Hattie J. Visible learning: a synthesis of over 800 meta-analyses relating to achievement. London: Routledge; 2009.

516.

Dale V, Sheridan N. Learners, Teachers and Places: A conceptual framework for creative pedagogies. Journal of Perspectives in Applied Academic Practice; 2021;2(1). Available from: [https://gla-my.sharepoint.com/:w:/g/personal/nathalie\\_sheridan\\_glasgow\\_ac\\_uk/ESyWVR7uy1RLo0lwByF44loBycwUHSZBd-QMke\\_EezMajA?e=4%3APfIKVi&at=9&CID=6DBAA9B8-240B-4F32-9C61-BC74F21FC07A&wdLOR=c5AB6452F-539A-4F56-B424-430268C513E3](https://gla-my.sharepoint.com/:w:/g/personal/nathalie_sheridan_glasgow_ac_uk/ESyWVR7uy1RLo0lwByF44loBycwUHSZBd-QMke_EezMajA?e=4%3APfIKVi&at=9&CID=6DBAA9B8-240B-4F32-9C61-BC74F21FC07A&wdLOR=c5AB6452F-539A-4F56-B424-430268C513E3)

517.

Carmichael H, Moore B. Common Framework for Online Education [Internet]. University of Southampton; 2020. Available from: <https://www.southampton.ac.uk/chep/teaching-and-learning/common-framework.page>

518.

Singh G. Supporting Black, Asian Minority Ethnic (BAME) Students During The COVID-19 Crisis. Shades of Noir; 2020; Available from: <https://shadesofnoir.org.uk/supporting-black-asian-minority-ethnic-bame-students-during-the-covid-19-crisis/>

519.

McConnell D, Society for Research into Higher Education. E-learning groups and communities. Maidenhead, Eng: Society for Research into Higher Education & Open University Press; 2006.

520.

Astin AW. What matters in college?: four critical years revisited. First edition. San Francisco, California: Jossey-Bass Publishers; 1993.

521.

Hagerty BMK, Lynch-Sauer J, Patusky KL, Bouwsema M, Collier P. Sense of belonging: A vital mental health concept. Archives of Psychiatric Nursing. 1992 Jun;6(3):172-177.

522.

Astin A. Student Involvement: A Developmental Theory for Higher Education. Journal of College Student Development; 1999;40(5):518-529. Available from: <https://www.middlesex.mass.edu/ace/downloads/astininv.pdf>

523.

Unmasking the Effects of Student Engagement on First-Year College Grades and Persistence. The Journal of Higher Education. 2008;79(5):540-563.

524.

Barr M. Designing online courses for better learning and well-being outcomes. THE Campus; 2021; Available from: <https://www.timeshighereducation.com/campus/designing-online-courses-better-learning-and-wellbeing-outcomes>

525.

Si Y. Supporting students' emotional needs in distance learning. THE Campus; 2021; Available from: <https://www.timeshighereducation.com/campus/supporting-students-emotional-needs-distance-learning>

526.

Darby F. How to create human connection when teaching online. THE Campus; 2021; Available from: <https://www.timeshighereducation.com/campus/how-create-human-connection-when-teac>



hing-online

527.

Islam M. Building belonging: Developing religiously inclusive cultures for Muslim students in higher education [Internet]. Advance HE; 2021. Available from: <https://www.advance-he.ac.uk/knowledge-hub/building-belonging-developing-religiously-inclusive-cultures-muslim-students-higher>

528.

Cooke C. Research in belonging [Internet]. Available from: [https://miro.com/app/board/o9J\\_l2Mhowg=/](https://miro.com/app/board/o9J_l2Mhowg=/)

529.

Cook-Sather A, Felton P. Where Student Engagement Meets Faculty Development: How Student-Faculty Pedagogical Partnership Fosters a Sense of Belonging. Student Engagement in Higher Education Journal; 2017;1(2). Available from: <https://sehej.raise-network.com/raise/article/view/cook>

530.

Read B, Archer L, Leathwood C. Challenging Cultures? Student Conceptions of 'Belonging' and 'Isolation' at a Post-1992 University. Studies in Higher Education. 2003 Aug;28(3):261-277.

531.

White D. Belonging is inconvenient [Internet]. 2022. Available from: <http://daveowhite.com/inconvenient/>

532.

Meehan C, Howells K. In search of the feeling of 'belonging' in higher education: undergraduate students transition into higher education. Journal of Further and Higher Education. 2019 Nov 26;43(10):1376-1390.

533.

Asher SR, Weeks MS. Loneliness and Belongingness in the College Years. In: Coplan RJ, Bowker JC, editors. *The handbook of solitude : psychological perspectives on social isolation, social withdrawal, and being alone* [Internet]. Wiley; 2013. p. 283–301. Available from: <https://ezproxy.lib.gla.ac.uk/login?url=https://onlinelibrary.wiley.com/doi/10.1002/9781118427378.ch16>

534.

Cole D, Newman CB, Hypolite LI. Sense of Belonging and Mattering Among Two Cohorts of First-Year Students Participating in a Comprehensive College Transition Program. *American Behavioral Scientist*. 2020 Mar;64(3):276–297.

535.

Gravett K, Ajjawi R. Belonging as situated practice. *Studies in Higher Education*. 2021 Feb 25;1–11.

536.

Elliott G, Kao S, Grant AM. Mattering: Empirical Validation of a Social-Psychological Concept. *Self and Identity*. 2004 Oct;3(4):339–354.

537.

Flett G, Khan A, Su C. Mattering and Psychological Well-being in College and University Students: Review and Recommendations for Campus-Based Initiatives. *International Journal of Mental Health and Addiction*. 2019 Jun;17(3):667–680.

538.

Whitten D, James A, Roberts C. Factors That Contribute to a Sense of Belonging in Business Students on a Small 4-Year Public Commuter Campus in the Midwest. *Journal of College Student Retention: Research, Theory & Practice*. 2020 May;22(1):99–117.

539.

Help earning your CUNY degree [Internet]. Available from:

<https://growingupnyc.cityofnewyork.us/programs/cuny-asap/#:~:text=CUNY%20ASAP%20helps%20students%20earn,colleges%20in%20all%20five%20boroughs>

540.

Pychyl TA, Flett GL, Long M, Carreiro E, Azil R. Faculty Perceptions of Mattering in Teaching and Learning: A Qualitative Examination of the Views, Values, and Teaching Practices of Award-Winning Professors. *Journal of Psychoeducational Assessment*. 2022 Feb;40(1):142–158.

541.

Whitten D, James A, Roberts C. Factors That Contribute to a Sense of Belonging in Business Students on a Small 4-Year Public Commuter Campus in the Midwest. *Journal of College Student Retention: Research, Theory & Practice*. 2020 May;22(1):99–117.

542.

Belonging inclusion and mental health are all connected. *Wonkhe*; 2022; Available from: <https://wonkhe.com/blogs/belonging-inclusion-and-mental-health-are-all-connected/>

543.

Prilleltensky I. Mattering at the Intersection of Psychology, Philosophy, and Politics. *American Journal of Community Psychology*. 2020 Mar;65(1–2):16–34.

544.

UNIVERSITY OF LEEDS A place where all students belong - Access and Student Success Strategy 2025 [Internet]. University of Leeds; Available from: [https://ses.leeds.ac.uk/info/22252/access\\_and\\_student\\_success/1250/access\\_and\\_student\\_success\\_strategy](https://ses.leeds.ac.uk/info/22252/access_and_student_success/1250/access_and_student_success_strategy)

545.

Belonging at Leeds [Internet]. University of Leeds; Available from: <https://peopledevelopment.leeds.ac.uk/belonging-at-leeds/>

546.

Fostering a Sense of Belonging at our University, A Guide for Schools [Internet]. University of Edinburgh; 2020. Available from:  
<https://www.ed.ac.uk/files/atoms/files/belongingguide.pdf>

547.

Chambliss DF, Takacs CG. How college works [Internet]. Cambridge, Massachusetts: Harvard University Press; 2014. Available from:  
<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780674726093>

548.

Curnock Cook M. Connectedness, trust and student engagement. Higher Education Policy Institute; 2020; Available from:  
<https://www.hepi.ac.uk/2020/03/24/connectedness-trust-and-student-engagement/>

549.

Evans C, Muijs D, Tomlinson M. Engaged student learning [Internet]. Higher Education Academy; 2015. Available from:  
[https://s3.eu-west-2.amazonaws.com/assets.creode.advancehe-document-manager/documents/hea/private/engaged\\_student\\_learning\\_high-impact\\_pedagogies\\_1568037336.pdf](https://s3.eu-west-2.amazonaws.com/assets.creode.advancehe-document-manager/documents/hea/private/engaged_student_learning_high-impact_pedagogies_1568037336.pdf)

550.

Kenny S, McGrath B, Phillips R, editors. The Routledge handbook of community development: perspectives from around the globe. New York, NY: Routledge; 2018.

551.

Catherine Bovill, Joy Jarvis, Karen Smith. Co-Creating Learning and Teaching. Critical Publishing; 2020.

552.

Akinbode HO. A sense of belonging – what it means for higher education institutions. King's College London; 2022; Available from:

<https://blogs.kcl.ac.uk/behaviouralinsights/2022/01/12/a-sense-of-belonging-what-it-means-for-higher-education-institutions/>

553.

Slaten CD, Elison ZM, Deemer ED, Hughes HA, Shemwell DA. The Development and Validation of the University Belonging Questionnaire. *The Journal of Experimental Education*. 2018 Oct 2;86(4):633–651.

554.

Knekta E, Chatzikyriakidou K, McCartney M. Evaluation of a Questionnaire Measuring University Students' Sense of Belonging to and Involvement in a Biology Department. *CBE—Life Sciences Education*. 2020 Sep;19(3).

555.

Sense of belonging scale [Internet]. Imperial College London; Available from: <https://www.imperial.ac.uk/education-research/evaluation/what-can-i-evaluate/sense-of-belonging/tools-for-assessing-sense-of-belonging/sense-of-belonging-scale/>

556.

Walton GM, Cohen GL. A Brief Social-Belonging Intervention Improves Academic and Health Outcomes of Minority Students. *Science*. 2011 Mar 18;331(6023):1447–1451.

557.

Interviews [Internet]. Imperial college london; Available from: <https://www.imperial.ac.uk/education-research/evaluation/what-can-i-evaluate/sense-of-belonging/tools-for-assessing-sense-of-belonging/interviews/>

558.

Stokes JW. Examining the Sense of Belonging of First-Generation Students and their College Persistence: An Exploratory Interview Study [Internet]. The University of Tennessee Knoxville; 2017. Available from: [https://trace.tennessee.edu/utk\\_graddiss/4756/](https://trace.tennessee.edu/utk_graddiss/4756/)

559.

Scaia JA. Do I Belong? What Students Teach Us About Belonging to a New University [Internet]. University of South Florida; 2021. Available from: <https://digitalcommons.usf.edu/cgi/viewcontent.cgi?article=10058&context=etd>

560.

Canning EA, LaCosse J, Kroeper KM, Murphy MC. Feeling Like an Imposter: The Effect of Perceived Classroom Competition on the Daily Psychological Experiences of First-Generation College Students. *Social Psychological and Personality Science*. 2020 Jul;11(5):647–657.

561.

Gourlay L. 'Student engagement' and the tyranny of participation. *Teaching in Higher Education*. 2015 May 19;20(4):402–411.

562.

Doreen B. Massey. *Space, place, and gender*. Minneapolis: University of Minnesota Press; 1994.

563.

Dweck CS. *Self-theories* [Internet]. Psychology Press; 2013. Available from: <https://www.taylorfrancis.com/books/9781317710332>

564.

Michou A, Vansteenkiste M, Mouratidis A, Lens W. Enriching the hierarchical model of achievement motivation: Autonomous and controlling reasons underlying achievement goals. *British Journal of Educational Psychology*. 2014 Dec;84(4):650–666.

565.

Supporting the Identity Development of Underrepresented Students (SIDUS) [Internet]. Imperial College London; Available from: <https://www.imperial.ac.uk/education-research/our-work/identities-in-education/sidus/>

566.

Viola JK. Belonging and Global Citizenship in a STEM University. *Education Sciences*. 2021 Dec 10;11(12).

567.

Pittman LD, Richmond A. Academic and Psychological Functioning in Late Adolescence: The Importance of School Belonging. *The Journal of Experimental Education*. 2007 Jul;75(4):270–290.

568.

Furrer C, Skinner E. Sense of relatedness as a factor in children's academic engagement and performance. *Journal of Educational Psychology*. 2003 Mar;95(1):148–162.

569.

Raaper R. Contemporary dynamics of student experience and belonging in higher education. *Critical Studies in Education*. 2021 Oct 20;62(5):537–542.

570.

Guyotte KW, Flint MA, Latopolski KS. Cartographies of belonging: mapping nomadic narratives of first-year students. *Critical Studies in Education*. 2021 Oct 20;62(5):543–558.

571.

Cooper KM, Brownell SE. Coming Out in Class: Challenges and Benefits of Active Learning in a Biology Classroom for LGBTQIA Students. *CBE—Life Sciences Education*. 2016 Sep;15(3).

572.

Pride and Prejudice in Education [Internet]. University and College Union; 2016. Available from: <https://www.ucu.org.uk/media/8359/Summary-of-Pride-and-Prejudice-in-Education-report-O>

ct-16/pdf/Summary\_of\_Pride\_and\_Prejudice\_in\_Education\_report\_Oct\_2016.pdf

573.

Bourdieu P. The Forms of Capital. In: Biggart NW, editor. Readings in Economic Sociology [Internet]. Oxford, UK: Blackwell Publishers Ltd; 2002. p. 280-291. Available from: <https://onlinelibrary.wiley.com/doi/10.1002/9780470755679.ch15>

574.

Brodie J, Osowska R. Supporting entrepreneurship students' sense of belonging in online virtual spaces. *Industry and Higher Education*. 2021 Aug;35(4):353-359.

575.

Peacock S, Cowan J, Irvine L, Williams J. An Exploration Into the Importance of a Sense of Belonging for Online Learners. *The International Review of Research in Open and Distributed Learning*. 2020 Apr 8;21(2):18-35.

576.

Principle 9 A Sense of Belonging [Internet]. Napier University; Available from: [https://staff.napier.ac.uk/services/dlte/DSP/Pages/DSP\\_09Belonging.aspx](https://staff.napier.ac.uk/services/dlte/DSP/Pages/DSP_09Belonging.aspx)

577.

Lucas P, Wilkinson H, Rae S, Dean B, Eady M, Capocchiano H, Trede F, Yuen L. Knowing me, Knowing you: Humanitas in work-integrated learning during adversity. *Journal of University Teaching and Learning Practice*. 2021 Dec 7;159-176.

578.

Passantino F. Reflections: diversity, inclusion and belonging in education Post-Covid. *Intercultural Education*. 2021 Sep 3;32(5):583-589.

579.

Campbell SD, Carter-Sowell AR, Battle JS. Campus climate comparisons in academic



pursuits: How race still matters for African American college students. *Group Processes & Intergroup Relations*. 2019 Apr;22(3):390–402.

580.

Groves O, O'Shea S. Learning to 'be' a university student: First in family students negotiating membership of the university community. *International Journal of Educational Research*. 2019;98:48–54.

581.

Jackson A, Capper G, Blake S. The four foundations of belonging at university. *WONkHE*; Available from: <https://wonkhe.com/blogs/the-four-foundations-of-belonging-at-university/>

582.

Hulme J. Belonging, being, and becoming: Exploring possible selves through the transitions into, through, and beyond higher education [Internet]. 2023. Available from: <https://higherpsyched.home.blog/2023/06/08/belonging-being-and-becoming-exploring-possible-selves-through-the-transitions-into-through-and-beyond-higher-education/>

583.

Currant NJ. "My Stomach Churns": Belonging and Strategies for Belonging for BME Students in a White University [Internet]. Oxford Brookes University; 2020. Available from: <https://radar.brookes.ac.uk/radar/file/ea510237-87ca-4f14-bc9e-5e3edcffa073/1/Currant2020Belonging.pdf>

584.

Lancaster C. A study of sense of belonging and its relationship with engagement, persistence, and intersectionality in higher education [Internet]. Eastern Michigan University; 2020. Available from: <https://commons.emich.edu/cgi/viewcontent.cgi?article=2397&context=theses>

585.

Hoops LD. College Students' Sense of Belonging and Instructor Messages about Student Success [Internet]. The Ohio State University; 2017. Available from:

[https://etd.ohiolink.edu/apexprod/rws\\_etd/send\\_file/send?accession=osu1492690711368004&disposition=inline](https://etd.ohiolink.edu/apexprod/rws_etd/send_file/send?accession=osu1492690711368004&disposition=inline)

586.

Hamann BP. Exploration of Sense of Belonging Phenomenon for Students Who Commute to Campus at Private, Not-For-Profit, Four-Year Institutions [Internet]. Bellarmine University; 2022. Available from: <https://scholarworks.bellarmino.edu/cgi/viewcontent.cgi?article=1137&context=tdc>

587.

Perez ML. Sense of Belonging from a Distance: How Online Students Describe, Perceive, and Experience Belonging to the Institution [Internet]. [Portland State University]; 2020. Available from: [https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?article=6536&context=open\\_access\\_etds](https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?article=6536&context=open_access_etds)

588.

Vang TM. SCHOOL BELONGING MATTERS IN COLLEGE: PREDICTORS AND OUTCOMES ASSOCIATED WITH SCHOOL BELONGING [Internet]. California State University, Sacramento; 2020. Available from: <https://dspace.calstate.edu/bitstream/handle/10211.3/218167/Vang%20Tseng%20Thesis.pdf?sequence=5>

589.

Dirksen AN. An Exploratory Research to Students' Sense of Belonging in Distance Education in Higher Education in the Netherlands during the COVID-19 pandemic [Internet]. University of Twente; 2022. Available from: [http://essay.utwente.nl/91556/1/Dirksen\\_MA\\_BMS\\_2.pdf](http://essay.utwente.nl/91556/1/Dirksen_MA_BMS_2.pdf)

590.

Holcomb K. "Where do we fit in?": Exploring a Sense of Belonging Among Fat College Students [Internet]. 2022. Available from: <https://scholarworks.gvsu.edu/cgi/viewcontent.cgi?article=2053&context=theses>

591.

Palmer AEK. Social Satisfaction and Sense of Belonging: Revisiting Student Persistence [Internet]. UNIVERSITY OF MINNESOTA BY; 2016. Available from: [https://conservancy.umn.edu/bitstream/handle/11299/185084/Kaser\\_umn\\_0130M\\_17804.pdf?sequence=1](https://conservancy.umn.edu/bitstream/handle/11299/185084/Kaser_umn_0130M_17804.pdf?sequence=1)

592.

Davis SD. A Sense of Belonging Among Minority Students at a Southeastern State Flagship University [Internet]. Abilene Christian University; 2020. Available from: <https://digitalcommons.acu.edu/cgi/viewcontent.cgi?article=1243&context=etd>

593.

Jackson L. Sense of Belonging of Black Students in STEM Majors: A mixed methods study [Internet]. Virginia Commonwealth University; 2016. Available from: <https://scholarscompass.vcu.edu/cgi/viewcontent.cgi?article=5503&context=etd>

594.

Campbell k. Building Belonging in the Post-Pandemic Landscape. QAA; 2021; Available from: [https://www.researchgate.net/publication/355196274\\_Building\\_Belonging\\_in\\_the\\_Post-Pandemic\\_Landscape](https://www.researchgate.net/publication/355196274_Building_Belonging_in_the_Post-Pandemic_Landscape)

595.

Gopalan M, Linden-Carmichael A, Lanza S. College Students' Sense of Belonging and Mental Health Amidst the COVID-19 Pandemic. *Journal of Adolescent Health*. 2022 Feb;70(2):228–233.

596.

Graham CW, Moir Z. Belonging to the university or being in the world: From belonging to relational being. *Journal of University Teaching & Learning Practice*; 2022;19(4). Available from: <https://ro.uow.edu.au/jutlp/vol19/iss4/04>

597.

Gravett K, Ajjawi R. Belonging as situated practice. *Studies in Higher Education*. 2022 Jul 3;47(7):1386–1396.

598.

Haddow C, Brodie J. Harnessing innovation approaches to support community and belonging in Higher Education. *Innovations in Education and Teaching International*. 2023 Feb 10;1–14.

599.

Haddow C, Brodie J. What Works for 'Authentic Belonging' Enhancement in Criminology?. [Internet]. 2023. Available from: <https://bscltn.wordpress.com/2023/04/17/what-works-for-authentic-belonging-enhancement-in-criminology/>

600.

Spencer-Oatey H, Dauber D, Jing J, Lifei W. Chinese students' social integration into the university community: hearing the students' voices. *Higher Education*. 2017 Nov;74(5):739–756.

601.

van Herpen SGA, Meeuwisse M, Hofman WHA, Severiens SE. A head start in higher education: the effect of a transition intervention on interaction, sense of belonging, and academic performance. *Studies in Higher Education*. 2020 Apr 2;45(4):862–877.

602.

Scoulas JM. College students' perceptions on sense of belonging and inclusion at the academic library during COVID-19. *The Journal of Academic Librarianship*. 2021 Dec;47(6).

603.

Nguyen DJ, Herron A. Keeping up with the Joneses or feeling priced out?: Exploring how low-income students' financial position shapes sense of belonging. *Journal of Diversity in Higher Education*. 2021 Sep;14(3):429–440.

604.

Maunder RE. Students' peer relationships and their contribution to university adjustment: the need to belong in the university community. *Journal of Further and Higher Education*. 2018 Aug 18;42(6):756–768.

605.

Edwards JD, Barthelemy RS, Frey RF. Relationship between Course-Level Social Belonging (Sense of Belonging and Belonging Uncertainty) and Academic Performance in General Chemistry 1. *Journal of Chemical Education*. 2022 Jan 11;99(1):71–82.

606.

Dweck C. The power of believing that you can improve [Internet]. TED; 2014. Available from: [https://www.ted.com/talks/carol\\_dweck\\_the\\_power\\_of\\_believing\\_that\\_you\\_can\\_improve](https://www.ted.com/talks/carol_dweck_the_power_of_believing_that_you_can_improve)

607.

Duckworth AL. Grit: The power of passion and perseverance [Internet]. TED; 2013. Available from: [https://www.ted.com/talks/angela\\_lee\\_duckworth\\_grit\\_the\\_power\\_of\\_passion\\_and\\_perseverance?language=en](https://www.ted.com/talks/angela_lee_duckworth_grit_the_power_of_passion_and_perseverance?language=en)

608.

Claro S, Paunesku D, Dweck CS. Growth mindset tempers the effects of poverty on academic achievement. *Proceedings of the National Academy of Sciences*. 2016 Aug 2;113(31):8664–8668.

609.

Todd A. 'What Is? What If? What Next?' Why institutions must urgently identify, support, and celebrate their student-parents – and imagining a world in which they do so. *Widening Participation and Lifelong Learning*. 2023 Feb 28;24(3):165–188.

610.

Todd A. Let's get visible: evidence-based interventions aimed at supporting, empowering and celebrating student-parents in higher education. *Journal of Learning Development in Higher Education*. 2023 Feb 28;(26).

611.

Prasad P, Balse R, Warriem JM. Understanding Students' Experiences in an Online Programming Course from a Transactional Distance Perspective. *Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education V 1* [Internet]. ACM; 2023. p. 96–102. Available from: <https://dl.acm.org/doi/10.1145/3587102.3588850>

612.

DiGiacomo DK, Usher EL, Han J, Abney JM, Cole AE, Patterson JT. The benefits of belonging: Students' perceptions of their online learning experiences. *Distance Education*. 2023 Jan 2;44(1):24–39.

613.

Spady WG. Dropouts from higher education: Toward an empirical model. *Interchange*. 1971 Sep;2(3):38–62.

614.

Rusch AM, Duncan AS, Joyner DA. Student Life at Scale: Humanizing the Student Experience at Scale through Belonging, Engagement, and Community. *Proceedings of the Tenth ACM Conference on Learning @ Scale* [Internet]. ACM; 2023. p. 257–261. Available from: <https://dl.acm.org/doi/10.1145/3573051.3596167>

615.

Donovan C, Erskine-Shaw M. 'Maybe I can do this. Maybe I should be here': evaluating an academic literacy, resilience and confidence programme. *Journal of Further and Higher Education*. 2020 Mar 15;44(3):326–340.

616.

Strayhorn TL. Exploring Ethnic Minority First-Year College Students' Well-Being and Sense of Belonging: A Qualitative Investigation of a Brief Intervention. *American Journal of*

Qualitative Research. 2021 Dec 13;6(1):42–58.

617.

Abramson M, Jones P. Empowering under-represented students to succeed in higher education: initiatives in early engagement at a post-1992 university. Forum for the Advancement of Continuing Education; Available from: <http://www.face.stir.ac.uk/documents/paper107-PeterJonesR.pdf>

618.

Subbarao I, Lyznicki JM, Hsu EB, Gebbie KM, Markenson D, Barzansky B, Armstrong JH, Cassimatis EG, Coule PL, Dallas CE, King RV, Rubinson L, Sattin R, Swienton RE, Lillibridge S, Burkle FM, Schwartz RB, James JJ. A Consensus-based Educational Framework and Competency Set for the Discipline. Disaster Medicine and Public Health Preparedness. 2008 Mar;2(01):57–68.

619.

Framework for Educational Leadership [Internet]. Available from: <http://www.scelscotland.org.uk/about-the-framework/>

620.

Garrison DR, Vaughan ND. Blended Learning in Higher Education [Internet]. San Francisco, CA, USA: Jossey-Bass; 2007. Available from: <http://doi.wiley.com/10.1002/9781118269558>

621.

Holland J. The Excellent Online Instructor: Strategies for Professional Development. By Rena M. Palloff and Keith Pratt. San Francisco, Calif.: Jossey-Bass, 2011. xxii + 176 pages. ISBN 978-0-470-63523-0. \$42.00. Teaching Theology & Religion. 2013 Jul;16:e17–e17.

622.

Anderson T. Towards a theory of online learning. Athabasca University Press; 2008;45–74. Available from: [https://ustpaul.ca/upload-files/DistanceEducation/TOWARDS\\_A\\_THEORY\\_OF\\_ONLINE\\_LEARNING.pdf](https://ustpaul.ca/upload-files/DistanceEducation/TOWARDS_A_THEORY_OF_ONLINE_LEARNING.pdf)

623.

The Community of Inquiry [Internet]. Available from: <https://coi.athabascau.ca/>

624.

Shea P, Hayes S, Uzuner-Smith S, Gozza-Cohen M, Vickers J, Bidjerano T. Reconceptualizing the community of inquiry framework: An exploratory analysis. *The Internet and Higher Education*. 2014 Oct;23:9-17.

625.

Antonsich M. Searching for Belonging - An Analytical Framework. *Geography Compass*. 2010 Jun 4;4(6):644-659.

626.

Sumsion J, Wong S. Interrogating 'Belonging' in Belonging, Being and Becoming: The Early Years Learning Framework for Australia. *Contemporary Issues in Early Childhood*. 2011 Mar;12(1):28-45.

627.

Othering & Belonging: A Framework and Analysis for a Fair and Inclusive Society [Internet]. Available from: <https://haasinstitute.berkeley.edu/othering-belonging-framework-and-analysis-fair-and-inclusive-society>

628.

Secker J, Coonan E. ANCIL Information Literacy Landscape. 2012; Available from: <https://newcurriculum.wordpress.com/>

629.

Milheim KL. Towards a Better Experience: Examining Student Needs in the Online Classroom through Maslow's Hierarchy of Needs Model. *Journal of Online Learning and Teaching*; 8(2). Available from:



<http://ezproxy.lib.gla.ac.uk/login?url=https://search.proquest.com/docview/1499824204?accountid=14540>

630.

Talab RS, Newhouse B. Self Efficacy, Performance Variables and Distance Learning Facilitator Technology Adoption: Support for the Teacher Needs Hierarchy. Available from: <https://eric.ed.gov/?id=ED362207>

631.

Deakin Crick R, Huang S, Ahmed Shafi A, Goldspink C. Developing Resilient Agency in Learning: The Internal Structure of Learning Power. *British Journal of Educational Studies*. 2015 Apr 3;63(2):121–160.

632.

Deakin Crick R, Goldspink C. Learner Dispositions, Self-Theories and Student Engagement. *British Journal of Educational Studies*. 2014 Jan 2;62(1):19–35.

633.

Shum SB, Crick RD. Learning dispositions and transferable competencies. Proceedings of the 2nd International Conference on Learning Analytics and Knowledge - LAK '12 [Internet]. ACM Press; 2012. Available from: <http://dl.acm.org/citation.cfm?doid=2330601.2330629>

634.

Crick Learning for Resilient Agency (CLARA) [Internet]. Available from: <https://utscic.edu.au/tools/clara/>

635.

Crick RD, Broadfoot P, Claxton G. Developing an Effective Lifelong Learning Inventory: the ELLI Project. *Assessment in Education: Principles, Policy & Practice*. 2004 Sep;11(3):247–272.

636.

Crick RD. Deep Engagement as a Complex System: Identity, Learning Power and Authentic Enquiry. In: Christenson SL, Reschly AL, Wylie C, editors. Handbook of Research on Student Engagement [Internet]. Boston, MA: Springer US; 2012. p. 675–694. Available from: [http://link.springer.com/10.1007/978-1-4614-2018-7\\_32](http://link.springer.com/10.1007/978-1-4614-2018-7_32)

637.

Success as a Knowledge Economy: Teaching Excellence, Social Mobility and Student Choice [Internet]. Department for Business Innovation & Skills; Available from: [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/523546/bis-16-265-success-as-a-knowledge-economy-web.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/523546/bis-16-265-success-as-a-knowledge-economy-web.pdf)

638.

Osmon K. Good Practice Guide: Support for Students Improving Transition from School and College to University [Internet]. Brunel Educational Excellence Centre Brunel University London; 2016. Available from: [https://www.heacademy.ac.uk/system/files/brunel\\_university\\_london\\_good\\_practice\\_guide\\_support\\_for\\_students.pdf](https://www.heacademy.ac.uk/system/files/brunel_university_london_good_practice_guide_support_for_students.pdf)

639.

Kandiko CB. STUDENT EXPECTATIONS AND PERCEPTIONS OF HIGHER EDUCATION [Internet]. King's College London and QAA; Available from: <https://www.kcl.ac.uk/study/learningteaching/kli/People/Research/DL/QAARReport.pdf>

640.

Transition into Higher Education – Extending and Enhancing Best Practices [Internet]. Available from: <https://www.tu4dublin.ie/contentFiles/contentModuleImages/0000%20-%20TU4Dublin%20First%20Year%20Transition%20Report%20for%20Learning%20Teaching%20&%20Assessment%20Working%20Group.pdf>

641.

Thomas L. Building student engagement and belonging in Higher Education at a time of change: a summary of findings and recommendations from the What Works? Student Retention & Success programme [Internet]. 2012. Available from: [https://www.heacademy.ac.uk/system/files/what\\_works\\_summary\\_report\\_0.pdf](https://www.heacademy.ac.uk/system/files/what_works_summary_report_0.pdf)

642.

Rayle AD, Chung KY. Revisiting First-Year College Students' Mattering: Social Support, Academic Stress, and the Mattering Experience. *Journal of College Student Retention: Research, Theory & Practice*. 2007 May;9(1):21–37.

643.

Schlossberg NK. Marginality and mattering: Key issues in building community. *New Directions for Student Services*. 1989 Winter;1989(48):5–15.

644.

Stodel EJ, Thompson TL, MacDonald CJ. Learners' Perspectives on what is Missing from Online Learning: Interpretations through the Community of Inquiry Framework. *The International Review of Research in Open and Distributed Learning*. 2006 Dec 20;7(3).

645.

Belonging, Being & Becoming - The Early Years Learning Framework for Australia [Internet]. Australian Government Department of Education, Skills and Employment; 2009. Available from: <https://www.dese.gov.au/national-quality-framework-early-childhood-education-and-care/resources/belonging-being-becoming-early-years-learning-framework-australia>

646.

Yerdelen-Damar S, Boz Y, Aydın-Günbatır S. Mediated Effects of Technology Competencies and Experiences on Relations among Attitudes Towards Technology Use, Technology Ownership, and Self Efficacy about Technological Pedagogical Content Knowledge. *Journal of Science Education and Technology*. 2017 Aug;26(4):394–405.

647.

Constructivism and the technology of instruction. Hillsdale, N.J: Lawrence Erlbaum Associates Publishers; 1993.

648.

Smidt A, Balandin S, Sigafoos J, Reed VA. The Kirkpatrick model: A useful tool for evaluating training outcomes. *Journal of Intellectual & Developmental Disability*. 2009 Sep;34(3):266–274.

649.

Bernie Trilling, Charles Fadel. *21st Century Skills*. Wiley & Sons, Incorporated, John; 2012.

650.

Jaasma MA, Koper RJ. The relationship of student-faculty out-of-class communication to instructor immediacy and trust and to student motivation. *Communication Education*. 1999 Jan;48(1):41–47.

651.

King A. From Sage on the Stage to Guide on the Side. *College Teaching*. 1993 Jan;41(1):30–35.

652.

Bass BM, Avolio BJ. Transformational leadership and organizational culture. *Public Administration Quarterly*; 1993;17(1):112–121. Available from: <https://www.jstor.org/stable/40862298>

653.

Martins EC, Terblanche F. Building organisational culture that stimulates creativity and innovation. *European Journal of Innovation Management*. 2003 Mar;6(1):64–74.

654.

Ravasi D, Schultz M. Responding to Organizational Identity Threats: Exploring the Role of Organizational Culture. *The Academy of Management Journal*; 2006;49(3):433–458. Available from: <https://www.jstor.org/stable/20159775>

655.

Lin CL, Hou HT, Tsai CC. Analyzing the Social Knowledge Construction and Online Searching Behavior of High School Learners During a Collaborative Problem Solving Learning Activity: a Multi-Dimensional Behavioral Pattern Analysis. *The Asia-Pacific Education Researcher*. 2016 Dec;25(5-6):893-906.

656.

Ardichvili A, Maurer M, Li W, Wentling T, Stuedemann R. Cultural influences on knowledge sharing through online communities of practice. *Journal of Knowledge Management*. 2006 Jan;10(1):94-107.

657.

Lai HM, Chen TT. Knowledge sharing in interest online communities: A comparison of posters and lurkers. *Computers in Human Behavior*. 2014 Jun;35:295-306.

658.

Küçük M. Lurking in online asynchronous discussion. *Procedia - Social and Behavioral Sciences*. 2010;2(2):2260-2263.

659.

Zhao H, Sullivan KPH, Mellenius I. Participation, interaction and social presence: An exploratory study of collaboration in online peer review groups. *British Journal of Educational Technology*. 2014 Sep;45(5):807-819.

660.

Tu CH, Mclsaac M. The Relationship of Social Presence and Interaction in Online Classes. *American Journal of Distance Education*. 2002 Sep;16(3):131-150.

661.

Sun N, Rau PPL, Ma L. Understanding lurkers in online communities: A literature review. *Computers in Human Behavior*. 2014 Sep;38:110-117.

662.

Newman MEJ, Girvan M. Finding and evaluating community structure in networks. *Physical Review E*. 2004 Feb 26;69(2).

663.

McMillan DW, Chavis DM. Sense of Community: A Definition and Theory. *Journal of Community Psychology*; 14:6–23. Available from: <http://iranarze.ir/wp-content/uploads/2016/06/3026-english.pdf>

664.

Delanty G, Taylor & Francis Group. *Community* [Internet]. Third edition. London: Routledge; 2018. Available from: <http://ezproxy.lib.gla.ac.uk/login?url=http://www.taylorfrancis.com/books/9781315158259>

665.

Piselli F. Communities, Places, and Social Networks. *American Behavioral Scientist*. 2007 Mar;50(7):867–878.

666.

Preece J, Maloney-Krichmar D. Online Communities: Design, Theory, and Practice. *Journal of Computer-Mediated Communication*. 2005 Jul;10(4):00–00.

667.

Lave J, Wenger E. *Situated learning: legitimate peripheral participation*. Cambridge: Cambridge University Press; 1991.

668.

Chiu CM, Hsu MH, Wang ETG. Understanding knowledge sharing in virtual communities: An integration of social capital and social cognitive theories. *Decision Support Systems*. 2006 Dec;42(3):1872–1888.

669.

Abdul-Rahman A, Hailes S. Supporting trust in virtual communities. Proceedings of the 33rd Annual Hawaii International Conference on System Sciences [Internet]. IEEE Comput. Soc; 2000. Available from: <http://ieeexplore.ieee.org/document/926814/>

670.

Ardichvili A, Page V, Wentling T. Motivation and barriers to participation in virtual knowledge-sharing communities of practice. *Journal of Knowledge Management*. 2003 Mar;7(1):64-77.

671.

Hiltz SR, Wellman B. Asynchronous learning networks as a virtual classroom. *Communications of the ACM*. 1997 Sep 1;40(9):44-49.

672.

Ridings CM, Gefen D, Arinze B. Some antecedents and effects of trust in virtual communities. *The Journal of Strategic Information Systems*. 2002 Dec;11(3-4):271-295.

673.

Tinto V. Classrooms as Communities. *The Journal of Higher Education*. 1997 Nov;68(6):599-623.

674.

Tinto V. Research and Practice of Student Retention: What Next? *Journal of College Student Retention: Research, Theory & Practice*. 2006 May;8(1):1-19.

675.

Crisp G, Nora A. Hispanic Student Success: Factors Influencing the Persistence and Transfer Decisions of Latino Community College Students Enrolled in Developmental Education. *Research in Higher Education*. 2010 Mar;51(2):175-194.

676.

Joseph R. Gusfield. *Community*. Oxford: B. Blackwell; 1975.

677.

Doolittle RJ, Macdonald D. Communication and a sense of community in a metropolitan neighborhood: A factor analytic examination. *Communication Quarterly*. 1978 Jun;26(3):2-7.

678.

Hays ER. Ego-threatening classroom communication: A factor analysis of student perceptions. *The Speech teacher*; 1970;19(1).

679.

Lindsay WK. A Summary of Four Key Issues Affecting Distance Education. In: Kidd T, Morris, Jr. LR, editors. *Handbook of Research on Instructional Systems and Educational Technology* [Internet]. IGI Global; 2017. p. 37-44. Available from: <http://services.igi-global.com/resolvedoi/resolve.aspx?doi=10.4018/978-1-5225-2399-4.ch004>

680.

de Freitas SI, Morgan J, Gibson D. Will MOOCs transform learning and teaching in higher education? Engagement and course retention in online learning provision. *British Journal of Educational Technology*. 2015 May;46(3):455-471.

681.

Turn on, tune in, drop out: Anticipating student dropouts in massive open online courses. Available from: <https://www.cs.cmu.edu/~diyiy/docs/nips13.pdf>

682.

Geith C, Vignare K. ACCESS TO EDUCATION WITH ONLINE LEARNING AND OPEN EDUCATIONAL RESOURCES: CAN THEY CLOSE THE GAP? *Journal of Asynchronous Learning Networks*; 12(1):105-126. Available from: <https://eric.ed.gov/?id=EJ837472>



683.

Iniesto FI, Rodrigo C, Teixeira AM. Accessibility analysis in MOOC platforms. A case study: UNED COMA and UAbiMOOC. V Congreso Internacional sobre Calidad y Accesibilidad de la Formación Virtual (CAFVIR 2014); Available from: <http://www.esvial.org/cafvir2014/>

684.

Badge JL, Dawson E, Cann AJ, Scott J. Assessing the accessibility of online learning. *Innovations in Education and Teaching International*. 2008 May;45(2):103–113.

685.

Roberts JB. Accessibility in M-Learning. *Handbook of Mobile Learning* [Internet]. Routledge; 2014. Available from: <https://www.taylorfrancis.com/books/9780203118764>

686.

Batanero C, Karhu M, Holvikivi J, Oton S, Amado-Salvatierra HR. A Method to Evaluate Accessibility in E-learning Education Systems. 2014 IEEE 14th International Conference on Advanced Learning Technologies [Internet]. IEEE; 2014. p. 556–560. Available from: <http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6901539>

687.

Graves L, Asunda PA, Plant SJ, Goad C. Asynchronous Online Access as an Accommodation on Students with Learning Disabilities and/or Attention-Deficit Hyperactivity Disorders in Postsecondary STEM Courses. *Journal of Postsecondary Education and Disability*; 24(4):317–330. Available from: <https://eric.ed.gov/?id=EJ966132>

688.

Martín A, Cechich A, Rossi G. Accessibility at early stages. *Proceedings of the International Cross-Disciplinary Conference on Web Accessibility - W4A '11* [Internet]. ACM Press; 2011. Available from: <http://portal.acm.org/citation.cfm?doid=1969289.1969302>

689.

Kouroupetroglou G, Pino A, Kacorri H. A Model of Accessibility Services Provision for Students with Disabilities in Higher Education [Internet]. *International Conference*

Universal Learning Design; p. 23–33. Available from:  
[http://access.uoa.gr/Unit%20Publicity%20Files/Kouroupetroglou\\_Brno\\_2011.pdf](http://access.uoa.gr/Unit%20Publicity%20Files/Kouroupetroglou_Brno_2011.pdf)

690.

van Rooij SW, Zirkle K. Balancing pedagogy, student readiness and accessibility: A case study in collaborative online course development. *The Internet and Higher Education*. 2016 Jan;28:1–7.

691.

Bryans Bongey S, Cizadlo G, Kalnbach L. Blended solutions. *Campus-Wide Information Systems*. 2010 Jan 5;27(1):4–16.

692.

Simoncelli A, Hinson JM. College Students' with Learning Disabilities Personal Reactions to Online Learning. *Journal of College Reading and Learning*. 2008 Mar;38(2):49–62.

693.

Lagier J. Distance learning and the minority student: special needs and opportunities. *The Internet and Higher Education*. 2003 Apr;6(2):179–184.

694.

Wald M, Draffan EA, Seale J. Disabled Learners' Experiences of E-learning. *Journal of Educational Multimedia and Hypermedia; Norfolk*; 2009;18(3):341–361. Available from:  
<https://search.proquest.com/docview/205848003?pq-origsite=gscholar>

695.

Kelly B, Phipps L, Swift E. Developing a Holistic Approach for E-Learning Accessibility. *Canadian Journal of Learning and Technology / La revue canadienne de l'apprentissage et de la technologie*. 2004 Oct 15;30(3).

696.

Fichten CS, Ferraro V, Asuncion JV, Chwojka C, Barile M, Nguyen MN, Klomp R, Wolforth J. Disabilities and e-Learning Problems and Solutions: An Exploratory Study. *Journal of Educational Technology & Society*; 12(4):241–256. Available from: <https://www.jstor.org/stable/jeductechsoci.12.4.241>

697.

Gornitsky M. Distance Education: Accessibility for Students With Disabilities. *Information Age Publishing*; 2011;8:47–53. Available from: <https://search.proquest.com/docview/1014264677?pq-origsite=gscholar>

698.

Smith SJ, Basham JD. Designing Online Learning Opportunities for Students with Disabilities. *TEACHING Exceptional Children*. 2014 May;46(5):127–137.

699.

Seale J. *E-learning and disability in higher education: accessibility research and practice*. 2nd ed. New York, N.Y.: Routledge; 2014.

700.

Kumar KL, Owston R. Evaluating e-learning accessibility by automated and student-centered methods. *Educational Technology Research and Development*. 2016 Apr;64(2):263–283.

701.

Alphin HC. E-Learning Accessibility Model. *International Journal of Online Pedagogy and Course Design*. 2013 Jul;3(3):18–42.

702.

Salmon G. *E-tivities: the key to active online learning*. London: Kogan Page; 2002.

703.

Seale J, Cooper M. E-learning and accessibility: An exploration of the potential role of generic pedagogical tools. *Computers & Education*. 2010 May;54(4):1107–1116.

704.

Four Types of Disabilities: Their Impact on Online Learning. *TechTrends*. 2008 Jan;52(1):51–55.

705.

Phipps L, Kelly B. Holistic approaches to e-learning accessibility. *ALT-J*. 2006 Mar;14(1):69–78.

706.

Hamburg I, Hamburg A, Gavota M, Lazea M. Integrating wireless technology in e-learning for disabled. *Proceedings 2004 International Conference on Information and Communication Technologies: From Theory to Applications, 2004* [Internet]. IEEE; 2004. p. 123–124. Available from: <http://ieeexplore.ieee.org/document/1307645/>

707.

Tobin TJ. INCREASE ONLINE STUDENT RETENTION WITH UNIVERSAL DESIGN FOR LEARNING. *Quarterly Review of Distance Education*; 15(3):13–24. Available from: <https://search.proquest.com/docview/1660593756/fulltext/CBB24BEC9BC34985PQ/1?accountid=14540>

708.

Slater R, Pearson VK, Warren JP, Forbes T. Institutional change for improving accessibility in the design and delivery of distance learning – the role of faculty accessibility specialists at The Open University. *Open Learning: The Journal of Open, Distance and e-Learning*. 2015 Jan 2;30(1):6–20.

709.

Wijayarathne A, Singh D. Is there space in cyberspace for distance learners with special needs in Asia? A review of the level of Web accessibility of institutional and library homepages of AAOU members. *International Information & Library Review*. 2010 Mar;42(1):40–49.

710.

Smith SJ, Harvey EE. K-12 online lesson alignment to the principles of Universal Design for Learning: the Khan Academy. *Open Learning: The Journal of Open, Distance and e-Learning*. 2014 Sep 2;29(3):222-242.

711.

Coyne P, Pisha B, Dalton B, Zeph LA, Smith NC. Literacy by Design. *Remedial and Special Education*. 2012 May;33(3):162-172.

712.

Cooper M. Making online learning accessible to disabled students: an institutional case study. *ALT-J*. 2006 Mar;14(1):103-115.

713.

GALL K, KNIGHT DW, CARLSON LE, SULLIVAN JF. Making the Grade with Students: The Case for Accessibility. *Journal of Engineering Education*. 2003 Oct;92(4):337-343.

714.

Burgstahler S, Corrigan B, McCarter J. Making distance learning courses accessible to students and instructors with disabilities: A case study. *The Internet and Higher Education*. 2004 Jul;7(3):233-246.

715.

Dukes LL, Koorland MA, Scott SS. Making Blended Instruction Better: Integrating the Principles of Universal Design for Instruction into Course Design and Delivery. *Action in Teacher Education*. 2009 Apr;31(1):38-48.

716.

Fernández-López Á, Rodríguez-Fórtiz MJ, Rodríguez-Almendros ML, Martínez-Segura MJ. Mobile learning technology based on iOS devices to support students with special education needs. *Computers & Education*. 2013 Feb;61:77-90.

717.

Hashey AI, Stahl S. Making Online Learning Accessible for Students With Disabilities. *TEACHING Exceptional Children*. 2014 May;46(5):70–78.

718.

Nganji JT, Brayshaw M, Tompsett B. Ontology-Based E-Learning Personalisation For Disabled Students in Higher Education. *Innovation in Teaching and Learning in Information and Computer Sciences*. 2011 Feb;10(1):1–11.

719.

Dziorny MA. ONLINE COURSE DESIGN ELEMENTS TO BETTER MEET THE ACADEMIC NEEDS OF STUDENTS WITH DYSLEXIA IN HIGHER EDUCATION [Internet]. Available from: <https://search.proquest.com/docview/1223343675?pq-origsite=gscholar>

720.

Keeler CG, Horney M. Online Course Designs: Are Special Needs Being Met? *American Journal of Distance Education*. 2007 Jun 15;21(2):61–75.

721.

Artino AR. Online or face-to-face learning? Exploring the personal factors that predict students' choice of instructional format. *The Internet and Higher Education*. 2010 Dec;13(4):272–276.

722.

Barnard-Brak L, Sulak T. Online Versus Face-to-Face Accommodations Among College Students With Disabilities. *American Journal of Distance Education*. 2010 May 19;24(2):81–91.

723.

Cavanaugh C, Repetto J, Wayer N, Spitler C. Online Learning for Students with Disabilities: A Framework for Success. *Journal of Special Education Technology*. 2013 Mar;28(1):1–8.

724.

Weber G, Abascal J. People with Disabilities: Materials for Teaching Accessibility and Design for All. In: Miesenberger K, Klaus J, Zagler WL, Karshmer AI, editors. Computers Helping People with Special Needs [Internet]. Berlin, Heidelberg: Springer Berlin Heidelberg; 2006. p. 337–340. Available from: [http://link.springer.com/10.1007/11788713\\_50](http://link.springer.com/10.1007/11788713_50)

725.

Zhang D, Nunamaker JF. Powering E-Learning In the New Millennium: An Overview of E-Learning and Enabling Technology. *Information Systems Frontiers*. 2003;5(2):207–218.

726.

Tandy C, Meacham M. Removing the Barriers for Students with Disabilities: Accessible Online and Web-Enhanced Courses. *Journal of Teaching in Social Work*. 2009 Sep;29(3):313–328.

727.

Lewis JL. Student Attitudes Toward Impairment and Accessibility: an Evaluation of Awareness Training for Urban Planning Students. *Vocations and Learning*. 2009 Jul;2(2):109–125.

728.

Pisha B, Coyne P. Smart From the Start. *Remedial and Special Education*. 2001 Jul;22(4):197–203.

729.

Francis CDP. Students with disabilities experience in higher education online courses: An exploratory study of self-efficacy, use of assistive technologies and mobile media [Internet]. FACULTY OF THE USC ROSSIER SCHOOL OF EDUCATION UNIVERSITY OF SOUTHERN CALIFORNIA; Available from: <https://search.proquest.com/docview/1027933799?pq-origsite=gscholar>

730.

Roberts JB, Crittenden LA, Crittenden JC. Students with disabilities and online learning: A cross-institutional study of perceived satisfaction with accessibility compliance and services. *The Internet and Higher Education*. 2011 Sep;14(4):242-250.

731.

Straub C. The Effects Of Synchronous Online Cognitive Strategy Instruction In Writing For Students With Learning Disabilities [Internet]. University of Central Florida; 2012. Available from: <http://stars.library.ucf.edu/etd/2425/>

732.

Burgstahler S. The development of accessibility indicators for distance learning programs. *ALT-J*. 2006 Mar;14(1):79-102.

733.

Putnam C, Dahman M, Rose E, Cheng J, Bradford G. Teaching Accessibility, Learning Empathy. Proceedings of the 17th International ACM SIGACCESS Conference on Computers & Accessibility - ASSETS '15 [Internet]. ACM Press; 2015. p. 333-334. Available from: <http://dl.acm.org/citation.cfm?doid=2700648.2811365>

734.

Roberts K. The Need for Universal Design in Online Learning Environments (OLEs). *AACE Journal*; 2004;12(2):188-197. Available from: <https://www.learntechlib.org/p/11442/>

735.

Elias T. Universal instructional design principles for Moodle. *The International Review of Research in Open and Distributed Learning*. 2010 May 27;11(2).

736.

Granić A, Čukušić M. Universal Design Within the Context of e-Learning. In: Stephanidis C, editor. *Universal Access in Human-Computer Interaction Applications and Services*



[Internet]. Berlin, Heidelberg: Springer Berlin Heidelberg; 2007. p. 617–626. Available from: [http://link.springer.com/10.1007/978-3-540-73283-9\\_68](http://link.springer.com/10.1007/978-3-540-73283-9_68)

737.

Rao K, Edelen-Smith P, Wailehua CU. Universal design for online courses: applying principles to pedagogy. *Open Learning: The Journal of Open, Distance and e-Learning*. 2015 Jan 2;30(1):35–52.

738.

LaRocco DJ, Wilken DS. Universal Design for Learning: University Faculty Stages of Concerns and Levels of Use. *Current Issues in Education*; 2013;16(1). Available from: <https://cie.asu.edu/ojs/index.php/cieatasu/article/view/1132>

739.

Curry C. Universal Design: Accessibility for All Learners. *Educational Leadership*; 61(2):55–60. Available from: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.483.7152&rep=rep1&type=pdf>

740.

Coy K, Marino MT, Serianni B. Using Universal Design for Learning in Synchronous Online Instruction. *Journal of Special Education Technology*. 2014 Mar;29(1):63–74.

741.

He Y. Universal Design for Learning in an Online Teacher Education Course: Enhancing Learners' Confidence to Teach Online. *Journal of Online Learning and Teaching*; 10(2):283–298. Available from: <https://search.proquest.com/docview/1614680173?pq-origsite=gscholar>

742.

Sapp W. Universal Design: Online Educational Media for Students with Disabilities. *Journal of Visual Impairment & Blindness*; 103(8):495–500. Available from: <https://search.proquest.com/docview/222064390?pq-origsite=gscholar>

743.

Morra T, Reynolds J. Universal Design for Learning: Application for Technology-Enhanced Learning. *Inquiry: The Journal of the Virginia Community Colleges*; 2010;15(1):43-51. Available from: <https://commons.vccs.edu/cgi/viewcontent.cgi?article=1030&context=inquiry>

744.

Cooper M, Ferguson R, Wolff A. What can analytics contribute to accessibility in e-learning systems and to disabled students' learning? *Proceedings of the Sixth International Conference on Learning Analytics & Knowledge - LAK '16* [Internet]. ACM Press; 2016. p. 99-103. Available from: <http://dl.acm.org/citation.cfm?doid=2883851.2883946>

745.

MacKeogh K, Fox S. Strategies for Embedding e-Learning in Traditional Universities: Drivers and Barriers. *Electronic Journal of e-Learning*; 2009;7(2):147-154. Available from: <https://files.eric.ed.gov/fulltext/EJ867112.pdf>

746.

Wang S, Jiang M, Duchesne XM, Laugeson EA, Kennedy DP, Adolphs R, Zhao Q. Atypical Visual Saliency in Autism Spectrum Disorder Quantified through Model-Based Eye Tracking. *Neuron*. 2015 Nov;88(3):604-616.

747.

Stewart B. Online exam monitoring can invade privacy and erode trust at universities. *The Conversation*; 2020; Available from: <https://theconversation.com/online-exam-monitoring-can-invade-privacy-and-erode-trust-at-universities-149335>

748.

Harrington R. Fascinating images reveal how people with autism see the world. *Business Insider Australia*; 2018; Available from: <https://www.businessinsider.com.au/how-autistic-people-see-the-world-2015-10/#/in-the-study-people-with-autism-tended-to-focus-on-the-center-of-images-even-when-other-objects-were-in-a-photo-1>

749.

Digital Accessibility Guidance [Internet]. University of Glasgow; Available from: <https://www.gla.ac.uk/myglasgow/digitalaccessibility/>

750.

The Public Sector Bodies (Websites and Mobile Applications) (No. 2) Accessibility Regulations 2018 [Internet]. UK Government; 2018. Available from: <https://www.legislation.gov.uk/uksi/2018/952/made>

751.

Web Content Accessibility Guidelines (WCAG) 2.1 [Internet]. W3C; 2018. Available from: <https://www.w3.org/TR/WCAG21/>

752.

George Floyd death: Thousands join London protest [Internet]. BBC News; 2020. Available from: <https://www.bbc.co.uk/news/uk-52907101>

753.

Video: Hundreds of protesters march to Parliament Square in London against harassment of women [Internet]. The Telegraph; 2021. Available from: <https://www.telegraph.co.uk/news/2021/04/03/videohundreds-protestors-march-parliament-square-london-against/>

754.

Decolonising SOAS Learning and Teaching Toolkit for Programme and Module Convenors [Internet]. SOAS University of London; 2018. Available from: <https://blogs.soas.ac.uk/decolonisingsoas/files/2018/10/Decolonising-SOAS-Learning-and-Teaching-Toolkit-AB.pdf>

755.

Browne T, Jenkins M, Walker R. A longitudinal perspective regarding the use of VLEs by

higher education institutions in the United Kingdom. *Interactive Learning Environments*. 2006 Aug;14(2):177–192.

756.

Hou HT, Wu SY. Analyzing the social knowledge construction behavioral patterns of an online synchronous collaborative discussion instructional activity using an instant messaging tool: A case study. *Computers & Education*. 2011 Sep;57(2):1459–1468.

757.

Biasutti M. A comparative analysis of forums and wikis as tools for online collaborative learning. *Computers & Education*. 2017 Aug;111:158–171.

758.

Murray JA, Boyd S. A Preliminary Evaluation of Using WebPA for Online Peer Assessment of Collaborative Performance by Groups of Online Distance Learners. *The International Journal of E-Learning & Distance Education*; 2015;30(2). Available from: <http://ijede.ca/index.php/jde/article/view/920/1593>

759.

Krathwohl DR. A Revision of Bloom's Taxonomy: An Overview. *Theory Into Practice*. 2002 Nov;41(4):212–218.

760.

Picciano AG. Beyond student perceptions: issues of interaction, presence, and performance in an online course. *Journal of Asynchronous learning network*; 6(1). Available from: [http://sloanconsortium.org/sites/default/files/v6n1\\_picciano\\_1.pdf](http://sloanconsortium.org/sites/default/files/v6n1_picciano_1.pdf)

761.

Oermann MH. *Teaching in Nursing and Role of the Educator, Second Edition: The Complete Guide to Best Practice in Teaching, Evaluation, and Curriculum Development* [Internet]. Springer Publishing Company; 28AD. Available from: [https://books.google.co.uk/books?hl=en&lr=&id=BFi2DgAAQBAJ&oi=fnd&pg=PA95&dq=vlog+online+learner&ots=VhfaEvhsMA&sig=ZevLCtLwJlUOedx90YwEQ\\_lse7I#v=onepage&q&f=false](https://books.google.co.uk/books?hl=en&lr=&id=BFi2DgAAQBAJ&oi=fnd&pg=PA95&dq=vlog+online+learner&ots=VhfaEvhsMA&sig=ZevLCtLwJlUOedx90YwEQ_lse7I#v=onepage&q&f=false)

762.

Kentnor H. Distance Education and the Evolution of Online Learning in the United States. Curriculum and Teaching Dialogue; 13AD;17. Available from: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2643748](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2643748)

763.

Reiser RA. Eight Trends Affecting the Field of Instructional Design and Technology: Opportunities and Challenges. In: Lai FQ, Lehman JD, editors. Learning and Knowledge Analytics in Open Education [Internet]. Cham: Springer International Publishing; 2017. p. 139-147. Available from: [http://link.springer.com/10.1007/978-3-319-38956-1\\_11](http://link.springer.com/10.1007/978-3-319-38956-1_11)

764.

Geng S, Law KMY, Niu B. Investigating self-directed learning and technology readiness in blending learning environment. International Journal of Educational Technology in Higher Education. 2019 Dec;16(1).

765.

Peacock S, Murray S, Dean J, Brown D, Girdler S, Mastrominico B. Exploring Tutor and Student Experiences in Online Synchronous Learning Environments in the Performing Arts. Creative Education. 2012;03(07):1269-1280.

766.

Gagne RM, Wager WW, Golas KG, Keller JM. Principles of instructional design. 5th ed. Belmont, Calif: Thomson/Wadsworth; 2005.

767.

Ian Roffe. Innovation and e-Learning. University of Wales Press;

768.

Chen SJ. Instructional Design Strategies for Intensive Online Courses: An Objectivist-Constructivist Blended Approach. Journal of Interactive Online Learning;

2007;6(1). Available from:

[https://s3.amazonaws.com/academia.edu.documents/46551269/6.1.6.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1515851988&Signature=0S37BfMvyYvklZl4g05q8ykSz28%3D&response-content-disposition=inline%3B%20filename%3DInstructional\\_design\\_strategies\\_for\\_inte.pdf](https://s3.amazonaws.com/academia.edu.documents/46551269/6.1.6.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1515851988&Signature=0S37BfMvyYvklZl4g05q8ykSz28%3D&response-content-disposition=inline%3B%20filename%3DInstructional_design_strategies_for_inte.pdf)

769.

Toprak E, Kumtepe EG. Supporting Multiculturalism in Open and Distance Learning Spaces [Internet]. Culture and Motivation in Globalized Open and Distance Learning Spaces. IGI Global; 3AD. Available from:

<https://books.google.co.uk/books?hl=en&lr=&id=1eY7DwAAQBAJ&oi=fnd&pg=PA146&dq=online+distance+learning&ots=ZKQ66fORku&sig=QJpByPPkvKz7SxwBP-M9MMrmmaM#v=onepage&q=online%20distance%20learning&p;f=false>

770.

Diaz DP, Cartnal RB. Students' Learning Styles in Two Classes: Online Distance Learning and Equivalent On-Campus. *College Teaching*. 1999 Oct;47(4):130-135.

771.

Successful online distance learners: an exploration of learner characteristics and patterns in online learning. :9-18. Available from:

[https://www.researchgate.net/profile/Sebastian\\_Vogt/publication/271191109\\_Life-world\\_factors\\_of\\_distance\\_education\\_students\\_and\\_their\\_influence\\_on\\_learning\\_achievement/links/54c3d3f90cf219bbe4ec6375.pdf#page=21](https://www.researchgate.net/profile/Sebastian_Vogt/publication/271191109_Life-world_factors_of_distance_education_students_and_their_influence_on_learning_achievement/links/54c3d3f90cf219bbe4ec6375.pdf#page=21)

772.

Chickering AW, Gamson ZF. Seven Principles for Good Practice in Undergraduate Education. *AAHE Bulletin*; :3-7. Available from: <https://eric.ed.gov/?id=ED282491>

773.

Huang HM. Toward constructivism for adult learners in online learning environments. *British Journal of Educational Technology*. 2002 Jan;33(1):27-37.

774.

Simonson M, Smaldino S, Zvacek SM. Teaching and Learning at a Distance: Foundations of Distance Education. 6th ed. Information Age Publishing Inc; 2015.

775.

Dabbagh N. The online learner: Characteristics and pedagogical implications. Contemporary Issues in Technology and Teacher Education; 2007;7(3). Available from: <http://www.citejournal.org/volume-7/issue-3-07/general/the-online-learner-characteristics-and-pedagogical-implications>

776.

Wheeler S, Yeomans P, Wheeler D. The good, the bad and the wiki: Evaluating student-generated content for collaborative learning. British Journal of Educational Technology. 2008 Nov;39(6):987-995.

777.

Paterson M. The senses of touch: haptics, affects and technologies. London: Bloomsbury Academic; 2013.

778.

Xie K, Ke F. The role of students' motivation in peer-moderated asynchronous online discussions. British Journal of Educational Technology. 2011 Nov;42(6):916-930.

779.

Winner L. Upon Opening the Black Box and Finding It Empty: Social Constructivism and the Philosophy of Technology. Science, Technology, & Human Values. 1993 Jul;18(3):362-378.

780.

Al-Qahtani AAY, Higgins SE. Effects of traditional, blended and e-learning on students' achievement in higher education. Journal of Computer Assisted Learning. 2013 Jun;29(3):220-234.

781.

Rubin B, Fernandes R, Avgerinou MD. The effects of technology on the Community of Inquiry and satisfaction with online courses. *The Internet and Higher Education*. 2013 Apr;17:48-57.

782.

Salmon G. *E-tivities: the key to active online learning*. London: Kogan Page; 2002.

783.

Boling EC, Hough M, Krinsky H, Saleem H, Stevens M. Cutting the distance in distance education: Perspectives on what promotes positive, online learning experiences. *The Internet and Higher Education*. 2012 Mar;15(2):118-126.

784.

Bolliger DU, Inan FA. Development and Validation of the Online Student Connectedness Survey (OSCS) Abstract. *The International Review of Research in Open and Distance Learning*; 2012;13(3):40-65. Available from: <http://www.irrodl.org/index.php/irrodl/article/view/1171/2206>

785.

Guri-Rosenblit S. Open/distance teaching universities worldwide: Current challenges and future prospects. *EduAction: Electronic Education Magazine*; 2012;2(4):4-12. Available from: <https://oerknowledgecloud.org/content/opensdistance-teaching-universities-worldwide-current-challenges-and-future-prospects>

786.

McKee T. Thirty years of distance education: Personal reflections. *The International Review of Research in Open and Distributed Learning*. 2010 May 27;11(2).

787.

Allen EI, Seaman J. *Going the Distance: Online Education in the United States, 2011* [Internet]. Sloan Consortium (NJ1); Available from: <https://eric.ed.gov/?id=ED529948>



788.

Vygotskiĭ LS, Askews & Holts Library Services. Mind in society: the development of higher psychological processes [Internet]. Cole M, John-Steiner V, Scribner S, Souberman E, editors. Cambridge, Massachusetts: Harvard University Press; 1978. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780674076686>

789.

Kurucay M, Inan FA. Examining the effects of learner-learner interactions on satisfaction and learning in an online undergraduate course. *Computers & Education*. 2017 Dec;115:20–37.

790.

Carr S. As Distance Education Comes of Age, the Challenge Is Keeping the Students. *Chronicle of Higher Education*; 11AD;46(23):A39-41. Available from: <https://eric.ed.gov/?id=EJ601725>

791.

Kemp WC. Persistence of Adult Learners in Distance Education. *American Journal of Distance Education*. 2002 Jun;16(2):65–81.

792.

Parker A. A Study of Variables that Predict Dropout from Distance Education. *International Journal of Educational Technology*; 1999;1–10. Available from: <http://ascilite.org/archived-journals/ijet/v1n2/parker/>

793.

Whittington AL. Factors Impacting on the Success of Distance Education Students of the University of the West Indies: A Review of the Literature. [Internet]. 1995. Available from: <https://eric.ed.gov/?id=ED453740>

794.

Michael K. Virtual classroom: reflections of online learning. *Campus-Wide Information Systems*. 2012 Jun 22;29(3):156-165.

795.

Saltmarsh S, Sutherland-Smith W. S(t)imulating learning: pedagogy, subjectivity and teacher education in online environments. *London Review of Education*. 2010 Mar;8(1):15-24.

796.

Dyment J, Downing J, Budd Y. Framing Teacher Educator Engagement in an Online Environment. *Australian Journal of Teacher Education*. 2013 Jan 1;38(1).

797.

Cummings R, Phillips R, Tilbrook R, Lowe K. Middle-Out Approaches to Reform of University Teaching and Learning: Champions striding between the top-down and bottom-up approaches. *The International Review of Research in Open and Distributed Learning*. 2005 Mar 1;6(1).

798.

the discorsal construction of identity in academic writing. John Benjamins; 1998.

799.

Anderson T, Dron J. Three generations of distance education pedagogy. *The International Review of Research in Open and Distributed Learning*. 2011 Mar 25;12(3).

800.

Salmon G. Gilly Salmon E-tivities [Internet]. Available from: <https://www.gillysalmon.com/e-tivities.html>

801.

Reeves S, Fletcher S, McLoughlin C, Yim A, Patel KD. Interprofessional online learning for

primary healthcare: findings from a scoping review. *BMJ Open*. 2017 Aug;7(8).

802.

Wheeler S. *Learning with 'e's: educational theory and practice in the digital age*. Bancyfelin, Carmarthen: Crown House Publishing; 2015.

803.

Weidlich J, Bastiaens TJ. Designing sociable online learning environments and enhancing social presence: An affordance enrichment approach. *Computers & Education*. 2019 Dec;142.

804.

Martin F, Ritzhaupt A, Kumar S, Budhrani K. Award-winning faculty online teaching practices: Course design, assessment and evaluation, and facilitation. *The Internet and Higher Education*. 2019 Jul;42:34–43.

805.

Roll I, Russell DM, Gašević D. Learning at Scale. *International Journal of Artificial Intelligence in Education*. 2018 Dec;28(4):471–477.

806.

Delaney L, Fox S. The role of distance education in broadening access to Irish higher education. In: *How Equal? Access to Higher Education in Ireland* [Internet]. 2013. Available from: <http://doras.dcu.ie/19966/>

807.

Mallman M, Lee H. Stigmatised learners: mature-age students negotiating university culture. *British Journal of Sociology of Education*. 2016 Jul 3;37(5):684–701.

808.

Nichols M. Intervention for retention through distance education: A comparison study

[Internet]. 2011. Available from:  
<https://ako.ac.nz/assets/Knowledge-centre/RHPF-n17-Intervention-for-retention-through-distance-education/RESEARCH-REPORT-Intervention-for-Retention-through-Distance-Education-A-Comparison-Study.pdf>

809.

Brunton J, Brown M, Costello E, Farrell O. Head start online: flexibility, transitions and student success. *Educational Media International*. 2018 Oct 2;55(4):347–360.

810.

Kahu ER, Nelson K. Student engagement in the educational interface: understanding the mechanisms of student success. *Higher Education Research & Development*. 2018 Jan 2;37(1):58–71.

811.

Kahu ER, Stephens C, Zepke N, Leach L. Space and time to engage: mature-aged distance students learn to fit study into their lives. *International Journal of Lifelong Education*. 2014 Jul 4;33(4):523–540.

812.

Olaf Zawacki-Richter, Terry Anderson. *Online Distance Education*. Athabasca University Press; 2014.

813.

Al Tawil R. Nonverbal Communication in Text-Based, Asynchronous Online Education. *The International Review of Research in Open and Distributed Learning*. 2019 Feb 28;20(1).

814.

Pei L, Wu H. Does online learning work better than offline learning in undergraduate medical education? A systematic review and meta-analysis. *Medical Education Online*. 2019 Jan 1;24(1).

815.

Bettinger EP, Fox L, Loeb S, Taylor ES. Virtual Classrooms: How Online College Courses Affect Student Success. *American Economic Review*. 2017 Sep 1;107(9):2855–2875.

816.

Anderson T, ProQuest (Firm). *The theory and practice of online learning* [Internet]. 2nd ed. Edmonton: AU Press; 2008. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=617514>

817.

Adekola J, Dale VHM, Gardiner K, Fischbacher-Smith M. Student Transitions to Blended Learning: An Institutional Case Study. *Journal of Perspectives in Applied Academic Practice*. 2017 Mar 1;5(2).

818.

Wang Q, Woo HL. Comparing asynchronous online discussions and face-to-face discussions in a classroom setting. *British Journal of Educational Technology*. 2007 Mar;38(2):272–286.

819.

Gagné RM. *The conditions of learning*. London: Holt, Rinehart and Winston; 1965.

820.

Wenger E. *Communities of practice: learning, meaning, and identity*. Cambridge: Cambridge University Press; 1998.

821.

Chatterjee R, Correia AP. Online Students' Attitudes Toward Collaborative Learning and Sense of Community. *American Journal of Distance Education*. 2020 Jan 2;34(1):53–68.

822.

Johnson GM. On-Campus and Fully-Online University Students: Comparing Demographics, Digital Technology Use and Learning Characteristics. *Journal of University Teaching & Learning Practice*; 2015;12(1). Available from: <https://ro.uow.edu.au/jutlp/vol12/iss1/4/>

823.

Driver R, Taylor & Francis Group. Making sense of secondary science: research into children's ideas [Internet]. Classic edition. Abingdon, Oxon: Routledge; 2015. Available from: <https://ezproxy.lib.gla.ac.uk/login?url=https://www.taylorfrancis.com/books/9781315747415>

824.

Jónasson J. On-line distance education a feasible choice in teacher education in Iceland? [Internet]. University of Strathclyde; 2001. Available from: [https://skrif.hi.is/rannum/files/2018/01/jonjonasson\\_thesis.pdf](https://skrif.hi.is/rannum/files/2018/01/jonjonasson_thesis.pdf)

825.

Peters O. Some observations on dropping out in distance education. *Distance Education*. 1992 Jan;13(2):234-269.

826.

Kemp WC. Persistence of Adult Learners in Distance Education. *American Journal of Distance Education*. 2002 Jun;16(2):65-81.

827.

Nordmann E, Horlin C, Hutchison J, Murray JA, Robson L, Seery MK, MacKay JRD. Ten simple rules for supporting a temporary online pivot in higher education. *PLOS Computational Biology*. 2020 Oct 1;16(10).

828.

Active Learning in Online Courses [Internet]. King's College London Online Professional & Executive Education; Available from: <https://www.kcl.ac.uk/teachlearntech/assets/dla-active-learning-in-online-courses-.pdf>

829.

Active Learning Examples [Internet]. University of Edinburgh; Available from: [https://ugc.futurelearn.com/uploads/files/e4/af/e4af16fa-3204-4360-9098-85489e271e95/Active\\_learning\\_examples.pdf](https://ugc.futurelearn.com/uploads/files/e4/af/e4af16fa-3204-4360-9098-85489e271e95/Active_learning_examples.pdf)

830.

Kahu ER, Stephens C, Leach L, Zepke N. The engagement of mature distance students. *Higher Education Research & Development*. 2013 Oct;32(5):791-804.

831.

McInnis C, James R, Hartley R. Trends in the first year experience in Australian universities [Internet]. The University of Melbourne; 2000. Available from: <https://melbourne-cshe.unimelb.edu.au/research/archived-research/trends-in-the-first-year-experience>

832.

Parker H, Hughes A, Marsh C, Ahmed S, Cannon J, Taylor-Steeds E, Jones L, Page N. Understanding the different challenges facing students in transitioning to university particularly with a focus on ethnicity. *New Directions in the Teaching of Physical Sciences*. 2017 Dec 15;(12).

833.

Thomas L, Hill M, O'Mahony J, Yorke M. Supporting student success: strategies for institutional change [Internet]. AdvanceHE; 2017. Available from: <https://www.advance-he.ac.uk/knowledge-hub/supporting-student-success-strategies-institutional-change>

834.

Rethinking learning for a digital age. New York, NY: Routledge; 2010.

835.

Tankari M. Student perception of collaborative learning, social presence, and satisfaction in CMC learning environments: Relationships and critical factors.

<https://jan.ucc.nau.edu/~ct68/ETC599DE/TankariMoussa.htm>; Available from:

<https://jan.ucc.nau.edu/~ct68/ETC599DE/TankariMoussa.htm>

836.

Dhein CR. Current Perspectives on Distance Education in Veterinary Medicine. *Journal of Veterinary Medical Education* [Internet]. *JVME*; 2007 Jul;34(3):286–291. Available from: [https://jvme.utpjournals.press/doi/10.3138/jvme.34.3.286?url\\_ver=Z39.88-2003&rfr\\_id=ori%3Arid%3Acrossref.org&rfr\\_dat=cr\\_pub++0pubmed](https://jvme.utpjournals.press/doi/10.3138/jvme.34.3.286?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&rfr_dat=cr_pub++0pubmed)

837.

Diwakar V, Ertmer PA, Nour AYM. Developing Interactive Course Web Sites for Distance Education and Characteristics of Students Enrolled in Distance Learning Courses. *Journal of Veterinary Medical Education*. *J Vet Med Educ.*; 2003 Dec;30(4):351–357.

838.

Kandlbinder P, Peseta T. Key concepts in postgraduate certificates in higher education teaching and learning in Australasia and the United Kingdom. *International Journal for Academic Development*. *International Journal for Academic Development*; 2009 Mar;14(1):19–31.

839.

Keppell M, Carless D. Learning-oriented assessment: a technology-based case study. *Assessment in Education: Principles, Policy & Practice*. *Assessment in Education: Principles, Policy & Practice*; 2006 Jul;13(2):179–191.

840.

Rogers L. Developing simulations in multi-user virtual environments to enhance healthcare education. *British Journal of Educational Technology*. *British Journal of Educational Technology*; 2011 Jul;42(4):608–615.

841.

Rapanta C, Cantoni L. Being in the users' shoes: Anticipating experience while designing



online courses. *British Journal of Educational Technology*. 2014 Sep;45(5):765–777.

842.

Honeychurch S, Bozkurt A, Singh L, Koutropoulos A. Learners on the periphery: Lurkers as invisible learners. *European Journal of Open, Distance and e-Learning*; 2017;20(1):191–211. Available from: <https://files.eric.ed.gov/fulltext/EJ1187845.pdf>

843.

Koutropoulos A, Honeychurch S, Singh L. Rethinking Lurking. *eLearn [Internet]*. 2019 May;2019(5). Available from: [https://www.researchgate.net/publication/336732583\\_Rethinking\\_Lurking](https://www.researchgate.net/publication/336732583_Rethinking_Lurking)

844.

Bolliger DU, Halupa C. Online student perceptions of engagement, transactional distance, and outcomes. *Distance Education*. 2018 Jul 3;39(3):299–316.

845.

Lim DH, Morris ML, Kupritz VW. ONLINE VS. BLENDED LEARNING: DIFFERENCES IN INSTRUCTIONAL OUTCOMES AND LEARNER SATISFACTION. *Online Learning*. 2019 Feb 11;11(2).

846.

Ott M, Freina L. A literature review on immersive virtual reality in education: state of the art and perspectives [Internet]. Editura Universității Naționale de Apărare "Carol I"; 2015. p. 133–141. Available from: <https://www.cceol.com/search/article-detail?id=289829>

847.

Marquess M, Johnston SP, Williams NL, Giordano C, Leiby BE, Hurwitz MD, Dicker AP, Den RB. A pilot study to determine if the use of a virtual reality education module reduces anxiety and increases comprehension in patients receiving radiation therapy. *Journal of Radiation Oncology*. 2017 Sep;6(3):317–322.

848.

Wilson AS, O'Connor J, Taylor L, Carruthers D. A 3D virtual reality ophthalmoscopy trainer. *The Clinical Teacher*. 2017 Dec;14(6):427-431.

849.

Makransky G, Terkildsen TS, Mayer RE. Adding immersive virtual reality to a science lab simulation causes more presence but less learning. *Learning and Instruction*. 2017 Dec;

850.

Puterbaugh MD, Shannon M, Gorton H. A Survey of Nurses' Attitudes Toward Distance Education and the Educational Use of 3-D Virtual Environments. *Journal of Electronic Resources in Medical Libraries*. 2010 Dec 9;7(4):292-307.

851.

Rogers C, Lau J, Huynh D, Albertson S, Beem J, Qian E. Capturing the Perceived Phantom Limb through Virtual Reality. *Advances in Human-Computer Interaction*. 2016;2016:1-6.

852.

Spaulding S. *Distance Education, Broadcast Media, Virtual Reality, and Cyberspace: Is the Future Passing Us By?* edited by Graham Orange and David Hobbs. Aldershot: Ashgate, 2000. 182 pp. \$59.95 (cloth). ISBN 0-7546-1202-3.  
by Hilary Perraton. New York: Routledge, 2000. 228 pp. \$90.00 (cloth). ISBN 0-415-19418-0. \$29.99 (paper). ISBN 0-414-19419. *Comparative Education Review*. 2002 Feb;46(1):119-130.

853.

Alan B. Craig. *Developing virtual reality applications*. Amsterdam: Morgan Kaufmann/Elsevier; 2009.

854.

Steuer J. Defining Virtual Reality: Dimensions Determining Telepresence. *Journal of*

Communication. 1992 Dec;42(4):73-93.

855.

Youngblut C. Educational uses of virtual reality technology. Alexandria, VA: Institute for Defense Analyses; 1998; Available from:  
<http://papers.cumincad.org/data/works/att/94ea.content.pdf>

856.

Freeman D, Evans N, Lister R, Antley A, Dunn G, Slater M. Height, social comparison, and paranoia: An immersive virtual reality experimental study. *Psychiatry Research*. 2014 Aug;218(3):348-352.

857.

In Touch With The Future The Sense Of Touch From Cognitive Neuroscience To Virtual Reality. Oxford University Press; 2014.

858.

Alverson DC, Saiki SM, Kalishman S, Lindberg M, Mennin S, Mines J, Serna L, Summers K, Jacobs J, Lozanoff S, Lozanoff B, Saland L, Mitchell S, Umland B, Greene G, Buchanan HS, Keep M, Wilks D, Wax DS, Coulter R, Goldsmith TE, Caudell TP. Medical Students Learn Over Distance Using Virtual Reality Simulation. *Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare*. 2008 Spring;3(1):10-15.

859.

Trombetta M, Bazzanello Henrique PP, Brum MR, Colussi EL, De Marchi ACB, Rieder R. Motion Rehab AVE 3D: A VR-based exergame for post-stroke rehabilitation. *Computer Methods and Programs in Biomedicine*. 2017 Nov;151:15-20.

860.

Atherton S, Antley A, Evans N, Cernis E, Lister R, Dunn G, Slater M, Freeman D. Self-Confidence and Paranoia: An Experimental Study Using an Immersive Virtual Reality Social Situation. *Behavioural and Cognitive Psychotherapy*. 2016 Jan;44(01):56-64.

861.

Harders M, SpringerLink (Online service). Surgical scene generation for virtual reality based training in medicine [Internet]. London: Springer; 2008. Available from: <http://ezproxy.lib.gla.ac.uk/login?url=http://dx.doi.org/10.1007/978-1-84800-107-7>

862.

Luursema JM, Vorstenbosch M, Kooloos J. Stereopsis, Visuospatial Ability, and Virtual Reality in Anatomy Learning. *Anatomy Research International*. 2017;2017:1-7.

863.

Kinnison T, Forrest ND, Freat SP, Baillie S. Teaching bovine abdominal anatomy: Use of a haptic simulator. *Anatomical Sciences Education*. 2009 Nov;2(6):280-285.

864.

Kinnison T, Forrest ND, Freat SP, Baillie S. Teaching bovine abdominal anatomy: Use of a haptic simulator. *Anatomical Sciences Education*. 2009 Nov;2(6):280-285.

865.

de Faria JWV, Teixeira MJ, de Moura Sousa Júnior L, Otoch JP, Figueiredo EG. Virtual and stereoscopic anatomy: when virtual reality meets medical education. *Journal of Neurosurgery*. 2016 Nov;125(5):1105-1111.

866.

Curcio IDD, Dipace A, Norlund A. Virtual realities and education. *Research on Education and Media*. 2016 Jan 1;8(2).

867.

Codd AM, Choudhury B. Virtual reality anatomy: Is it comparable with traditional methods in the teaching of human forearm musculoskeletal anatomy? *Anatomical Sciences Education*. 2011 May;4(3):119-125.

868.

Dutile C, Wright N, Beauchesne M. Virtual Clinical Education: Going the Full Distance in Nursing Education. *Newborn and Infant Nursing Reviews*. 2011 Mar;11(1):43-48.

869.

McCloy R, Stone R. Virtual reality in surgery. *BMJ*; 20AD;323(7318):912-915. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1121442/>

870.

Huang YC, Backman SJ, Chang LL, Backman KF, McGuire FA. Experiencing student learning and tourism training in a 3D virtual world: An exploratory study. *Journal of Hospitality, Leisure, Sport & Tourism Education*. 2013 Jul;13:190-201.

871.

Häfner P, Häfner V, Ovtcharova J. Teaching Methodology for Virtual Reality Practical Course in Engineering Education. *Procedia Computer Science*. 2013;25:251-260.

872.

Huang HM, Liaw SS, Lai CM. Exploring learner acceptance of the use of virtual reality in medical education: a case study of desktop and projection-based display systems. *Interactive Learning Environments*. 2016 Jan 2;24(1):3-19.

873.

Le QT, Pedro A, Park CS. A Social Virtual Reality Based Construction Safety Education System for Experiential Learning. *Journal of Intelligent & Robotic Systems*. 2015 Aug;79(3-4):487-506.

874.

Kleven NF, Prasolova-Forland E, Fominykh M, Hansen A, Rasmussen G, Sagberg LM, Lindseth F. Training nurses and educating the public using a virtual operating room with Oculus Rift. 2014 International Conference on Virtual Systems & Multimedia (VSMM) [Internet]. IEEE; 2014. p. 206-213. Available from: <http://ieeexplore.ieee.org/document/7136687/>

875.

Sampaio AZ, Martins OP. The application of virtual reality technology in the construction of bridge: The cantilever and incremental launching methods. *Automation in Construction*. 2014 Jan;37:58–67.

876.

Ryu JH, Park SJ, Park JW, Kim JW, Yoo HJ, Kim TW, Hong JS, Han SH. Randomized clinical trial of immersive virtual reality tour of the operating theatre in children before anaesthesia. *British Journal of Surgery*. 2017 Nov;104(12):1628–1633.

877.

Role of Virtual Reality in Medical Diagnosis. *International Journal of Computing, Communications and Networking*. 2018 Jun 15;7(2):8–12.

878.

Makransky G, Lilleholt L. A structural equation modeling investigation of the emotional value of immersive virtual reality in education. *Educational Technology Research and Development*. 2018 Oct;66(5):1141–1164.

879.

Suebnuakarn S, Haddawy P, Rhienmora P, Jittimanee P, Viratket P. Augmented Kinematic Feedback from Haptic Virtual Reality for Dental Skill Acquisition. *Journal of Dental Education*. 2010 Dec;74(12):1357–1366.

880.

Lee SH (Mark), Sergueeva K, Catangui M, Kandaurova M. Assessing Google Cardboard virtual reality as a content delivery system in business classrooms. *Journal of Education for Business*. 2017 May 19;92(4):153–160.

881.

Martzoukou K, Kemp V. Nurturing Supportive and Engaging Induction Environments for

Distance-learning Students. *Procedia - Social and Behavioral Sciences*. 2016 Jul;228:535–540.

882.

Brunton J, Brown M, Costello E, Farrell O. Pre-induction supports for flexible learners: The Head Start Online MOOC pilot. A Practice Report. *Student Success*. 2018 Jun 12;9(2).

883.

Polizzi SJ, Head M, Barrett-Williams D, Ellis J, Roehrig GH, Rushton GT. The use of teacher leader roles in an online induction support system. *Teaching and Teacher Education*. 2018 Oct;75:174–186.

884.

Kelly N, Reushle S, Chakrabarty S, Kinnane A. Beginning Teacher Support in Australia: Towards an Online Community to Augment Current Support. *Australian Journal of Teacher Education*. 2014 Apr 1;39(4).

885.

Whitton N, Jones R, Wilson S, Whitton P. Alternate reality games as learning environments for student induction. *Interactive Learning Environments*. 2014 May 4;22(3):243–252.

886.

Hu YH, Lo CL, Shih SP. Developing early warning systems to predict students' online learning performance. *Computers in Human Behavior*. 2014 Jul;36:469–478.

887.

Motteram G, Forrester G. Becoming an Online Distance Learner: What can be learned from students' experiences of induction to distance programmes? *Distance Education*. 2005 Jan;26(3):281–298.

888.

Turner R, Morrison D, Cotton D, Child S, Stevens S, Nash P, Kneale P. Easing the transition of first year undergraduates through an immersive induction module. *Teaching in Higher Education*. 2017 Oct 3;22(7):805–821.

889.

Harwood EM, Kocovski NL. Self-Compassion Induction Reduces Anticipatory Anxiety Among Socially Anxious Students. *Mindfulness*. 2017 Dec;8(6):1544–1551.

890.

Williams N, Ioannou Y, Stewart C, Gulati P, Singh S. An innovative interactive medical student induction programme in paediatrics. *Medical Teacher*. 2015 Feb;37(2):200–201.

891.

Archer A, Guliani J, Johns F, McCartney E, Smith EN, Ross CC, Sengupta S, Das M. Effectiveness of a single day induction programme in changing medical students' attitudes towards the speciality of forensic psychiatry. *Australasian Psychiatry*. 2017 Feb;25(1):73–77.

892.

Jin J, Bridges SM. Educational Technologies in Problem-Based Learning in Health Sciences Education: A Systematic Review. *Journal of Medical Internet Research*. 2014 Dec 10;16(12).

893.

Hockridge D. Challenges for educators using distance and online education to prepare students for relational professions. *Distance Education*. 2013 Aug;34(2):142–160.

894.

Thomas L. What works? Facilitating an effective transition into higher education. *Widening Participation and Lifelong Learning*. 2013 Jan 1;14(1):4–24.



895.

Higgins K, Harreveld RE (Bobby). Professional development and the university casual academic: integration and support strategies for distance education. *Distance Education*. 2013 Aug;34(2):189–200.

896.

Leeds E, Campbell S, Baker H, Ali R, Brawley D, Crisp J. The impact of student retention strategies: an empirical study. *International Journal of Management in Education*. 2013;7(1/2).

897.

McCabe A, O'Connor U. Student-centred learning: the role and responsibility of the lecturer. *Teaching in Higher Education*. 2014 May 19;19(4):350–359.

898.

Romero C, López MI, Luna JM, Ventura S. Predicting students' final performance from participation in on-line discussion forums. *Computers & Education*. 2013 Oct;68:458–472.

899.

Richardson MJ, Tate S. Improving the transition to university: introducing student voices into the formal induction process for new geography undergraduates. *Journal of Geography in Higher Education*. 2013 Dec 4;37(4):611–618.

900.

Buckley A. Evaluating an online induction course at the University of Strathclyde [Internet]. 3rd International Enhancement in Higher Education Conference; 6AD. Available from: <https://strathprints.strath.ac.uk/61301/>

901.

Artino AR, La Rochelle JS, Dezee KJ, Gehlbach H. Developing questionnaires for educational research: AMEE Guide No. 87. *Medical Teacher*. 2014 Jun;36(6):463–474.

902.

Schaeffer NC, Presser S. The Science of Asking Questions. *Annual Review of Sociology*. 2003 Aug;29(1):65–88.

903.

Fox J, Murray C, Warm A. Conducting research using web-based questionnaires: Practical, methodological, and ethical considerations. *International Journal of Social Research Methodology*. 2003 Jan;6(2):167–180.

904.

Galesic M, Bosnjak M. Effects of Questionnaire Length on Participation and Indicators of Response Quality in a Web Survey. *Public Opinion Quarterly*. 2009 Jun 1;73(2):349–360.

905.

Wiecha J, Heyden R, Sternthal E, Merialdi M. Learning in a Virtual World: Experience With Using Second Life for Medical Education. *Journal of Medical Internet Research*. 2010 Jan 23;12(1).

906.

De Lucia A, Francese R, Passero I, Tortora G. Development and evaluation of a virtual campus on Second Life: The case of SecondDMI. *Computers & Education*. 2009 Jan;52(1):220–233.

907.

Jarmon L, Traphagan T, Mayrath M, Trivedi A. Virtual world teaching, experiential learning, and assessment: An interdisciplinary communication course in Second Life. *Computers & Education*. 2009 Aug;53(1):169–182.

908.

Harland T. Learning about case study methodology to research higher education. *Higher*

Education Research & Development. 2014 Nov 2;33(6):1113–1122.

909.

Cousin G. Researching learning in higher education: an introduction to contemporary methods and approaches. New York, NY: Routledge; 2009.

910.

Coe R, Waring M, Hedges LV, Arthur J, editors. Research methods and methodologies in education. 2nd edition. London: SAGE Publications Ltd; 2017.

911.

Braun V, Clarke V. Using thematic analysis in psychology. Qualitative Research in Psychology. 2006 Jan;3(2):77–101.

912.

Cohen L, Manion L, Morrison K, Askews & Holts Library Services. Research methods in education [Internet]. Eighth edition. London: Routledge; 2018. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9781315456522>

913.

Grow GO. Teaching Learners To Be Self-Directed. Adult Education Quarterly. 1991 Sep;41(3):125–149.

914.

Cooke A, Smith D, Booth A. Beyond PICO. Qualitative Health Research. 2012 Oct;22(10):1435–1443.

915.

What is Grounded Theory [Internet]. Grounded Theory Online; Available from: <http://www.groundedtheoryonline.com/what-is-grounded-theory/>

916.

Brooman S, Darwent S. Measuring the beginning: a quantitative study of the transition to higher education. *Studies in Higher Education*. 2014 Oct 21;39(9):1523–1541.

917.

Murray R. *How to write a thesis*. Maidenhead: Open University Press; 2002.

918.

Field AP. *Discovering statistics using IBM SPSS statistics: and sex and drugs and rock 'n' roll*. 4th edition. London: SAGE Publications Ltd; 2013.

919.

Pallant J. *SPSS survival manual: a step by step guide to data analysis using IBM SPSS*. 6th edition. Maidenhead, Berkshire, England: McGraw-Hill Education; 2016.

920.

Gorard S. *Using everyday numbers effectively in research*. London: Continuum; 2006.

921.

Robson C. *Real world research: a resource for users of social research methods in applied settings*. 3rd ed. Chichester, West Sussex: John Wiley & Sons Ltd; 2011.

922.

Murray R, Dawson Books. *How to write a thesis [Internet]*. 2nd ed. Maidenhead: Open University Press; 2006. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780335226597>

923.

Goldie JGS. Connectivism: A knowledge learning theory for the digital age? *Medical Teacher*. 2016 Oct 2;38(10):1064–1069.

924.

Siemens G. Connectivism: A Learning Theory for the Digital Age. *ITDL*; 2005;1. Available from: [http://www.itdl.org/Journal/Jan\\_05/article01.htm](http://www.itdl.org/Journal/Jan_05/article01.htm)

925.

Kop R, Hill A. Connectivism: Learning theory of the future or vestige of the past? *The International Review of Research in Open and Distributed Learning*. 2008 Oct 21;9(3).

926.

Ertmer PA, Newby TJ. Behaviorism, Cognitivism, Constructivism: Comparing Critical Features From an Instructional Design Perspective. *Performance Improvement Quarterly*. 2013;26(2):43–71.

927.

Imenda SN. On the Unity of Behaviourism, Cognitivism and Constructivism in Teaching and Learning. *International Journal of Educational Sciences [Internet]*. 2018;20:86–95. Available from: [http://krepublishers.com/02-Journals/IJES/IJES-20-0-000-18-Web/IJES-20-1-3-000-18-Abst-PDF/IJES-20-1-3-086-18-789-Imenda-S-N/IJES-20-1-3-086-18-789-Imenda-S-N-Tx\[11\].pmd.pdf](http://krepublishers.com/02-Journals/IJES/IJES-20-0-000-18-Web/IJES-20-1-3-000-18-Abst-PDF/IJES-20-1-3-086-18-789-Imenda-S-N/IJES-20-1-3-086-18-789-Imenda-S-N-Tx[11].pmd.pdf)

928.

Craig P, Cooper C, Gunnell D, Haw S, Lawson K, Macintyre S, Ogilvie D, Petticrew M, Reeves B, Sutton M, Thompson S. Using natural experiments to evaluate population health interventions: new Medical Research Council guidance. *Journal of Epidemiology and Community Health*. 2012 Dec;66(12):1182–1186.

929.

Leatherdale ST. Natural experiment methodology for research: a review of how different methods can support real-world research. *International Journal of Social Research Methodology*. 2019 Jan 2;22(1):19–35.

930.

Han F, Ellis RA. Using Phenomenography to Tackle Key Challenges in Science Education. *Frontiers in Psychology*. 2019 Jun 25;10.

931.

Orgill M. Phenomenography. In: Seel NM, editor. *Encyclopedia of the Sciences of Learning* [Internet]. Boston, MA: Springer US; 2012. p. 2608–2611. Available from: [https://ezproxy.lib.gla.ac.uk/login?url=https://link.springer.com/10.1007/978-1-4419-1428-6\\_271](https://ezproxy.lib.gla.ac.uk/login?url=https://link.springer.com/10.1007/978-1-4419-1428-6_271)

932.

Larsson J, Holmström I. Phenomenographic or phenomenological analysis: does it matter? Examples from a study on anaesthesiologists' work. *International Journal of Qualitative Studies on Health and Well-being*. 2007 Jan;2(1):55–64.

933.

Reed B. Phenomenography as a way to research the understanding by students of technical concepts. *Núcleo de Pesquisa em Tecnologia da Arquitetura e Urbanismo (NUTAU): Technological Innovation and Sustainability*; 2006; Available from: <http://www.mecheng.uct.ac.za/usr/mecheng/staff/academic/brandon/Reed2006.pdf>

934.

Yates C, Partridge H, Bruce C. Exploring information experiences through phenomenography. *Library and Information Research*. 2012 Sep 27;36(112):96–119.

935.

Langdridge D. *Phenomenological psychology: theory, research, and method*. Harlow: Pearson Education; 2007.

936.

Moran D. *Introduction to phenomenology*. Abingdon, Oxon: Routledge; 2000.

937.

Cobb-Stevens R. Introduction to Phenomenology by Robert Sokolowski. *The Thomist: A Speculative Quarterly Review*. 2002;66(1):159–163.

938.

Scanlon J. Robert Sokolowski, Introduction to Phenomenology. *Husserl Studies*. 2002;18(1):83–88.

939.

Glendinning S. *In the name of phenomenology*. London: Routledge; 2007.

940.

Cazeaux C. *The continental aesthetics reader*. London: Routledge; 2000.

941.

Smith J. Phenomenology [Internet]. *Internet Encyclopaedia of Philosophy*; Available from: <https://iep.utm.edu/phenom/>

942.

Woodruff Smith D. Phenomenology [Internet]. *Stanford Encyclopedia of Philosophy*; 2013. Available from: <https://plato.stanford.edu/entries/phenomenology/>

943.

Cerbone DR. *Understanding phenomenology*. Chesham: Acumen; 2006.

944.

Sandbergh J. Are Phenomenographic Results Reliable? *Higher Education Research & Development*. 1997 Jun;16(2):203–212.

945.

Webber S, Johnston B. An introduction to phenomenographic research. *Journal of EAHIL*; 2016; Available from: <http://ojs.eahil.eu/ojs/index.php/JEAHIL/article/view/73>

946.

Fitzpatrick R, Boulton M. Qualitative research in health care: I. The scope and validity of methods. *Journal of Evaluation in Clinical Practice*. 1996 May;2(2):123-130.

947.

Dixon-Woods M, Fitzpatrick R, Roberts K. Including qualitative research in systematic reviews: opportunities and problems. *Journal of Evaluation in Clinical Practice*. 2001 May;7(2):125-133.

948.

Husén T, Postlethwaite TN. *The International encyclopedia of education*. 2nd ed. [Oxford, England]: Pergamon; 1994.

949.

Marton F. Phenomenography? Describing conceptions of the world around us. *Instructional Science*. 1981 Jul;10(2):177-200.

950.

Stenfors-Hayes T, Hult H, Dahlgren MA. A phenomenographic approach to research in medical education. *Medical Education*. 2013 Mar;47(3):261-270.

951.

Sherman RR, Webb RB. *Qualitative research in education: focus and methods*. London: Falmer; 1988.



952.

Barnard A, McCosker H, Gerber R. Phenomenography: A Qualitative Research Approach for Exploring Understanding in Health Care. *Qualitative Health Research*. 1999 Mar;9(2):212–226.

953.

Marton F. Phenomenography: A Research Approach to Investigating Different Understandings of Reality. *Journal of Thought*; 1986;21(3):28–49.

954.

Ashworth P, Lucas U. Achieving Empathy and Engagement: A practical approach to the design, conduct and reporting of phenomenographic research. *Studies in Higher Education*. 2000 Oct;25(3):295–308.

955.

Qu D, Zhang X, Wang J, Liu B, Wen X, Feng Y, Chen R. New form of addiction: An emerging hazardous addiction problem of milk tea among youths. *Journal of Affective Disorders*. 2023 Nov;341:26–34.

956.

Boyle J, Ramsay S. *Writing for science students* [Internet]. 2nd edition. London, UK: Bloomsbury Academic, Bloomsbury Publishing Plc; 2023. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=7203860>

957.

Shea P, Sau Li C, Pickett A. A study of teaching presence and student sense of learning community in fully online and web-enhanced college courses. *The Internet and Higher Education*. 2006 Jul;9(3):175–190.

958.

Lane FC, Martin GL, Henson RK. A Multidimensional Comparison of Traditional, Transfer, and Online Students' University Attachment. *JOHNS HOPKINS UNIV PRESS*; 2015 Oct;56(7):746–751. Available from:

<http://muse.jhu.edu.ezproxy.lib.gla.ac.uk/article/597273>

959.

Thomas L, Herbert J, Teras M. A sense of belonging to enhance participation, success and retention in online programs. *The International Journal of the First Year in Higher Education*. 2014 Jul 27;5(2).

960.

Rovai AP. Building Sense of Community at a Distance. *The International Review of Research in Open and Distributed Learning*. 2002 Apr 1;3(1).

961.

Yang Y, Cho Y, Mathew S, Worth S. College Student Effort Expenditure in Online Versus Face-to-Face Courses. *Journal of Advanced Academics*. 2011 Aug;22(4):619-638.

962.

Zhao L, Lu Y, Wang B, Chau PYK, Zhang L. Cultivating the sense of belonging and motivating user participation in virtual communities: A social capital perspective. *International Journal of Information Management*. 2012 Dec;32(6):574-588.

963.

Garrison DR, Anderson T, Archer W. Critical Inquiry in a Text-Based Environment: Computer Conferencing in Higher Education. *The Internet and Higher Education*. 1999 Mar;2(2-3):87-105.

964.

Kuong HC. Enhancing Online Learning Experience: From Learners' Perspective. *Procedia - Social and Behavioral Sciences*. 2015 Jun;191:1002-1005.

965.

Gómez-Rey P, Barbera E, Fernández-Navarro F. Measuring teachers and learners'

perceptions of the quality of their online learning experience. *Distance Education*. 2016 May 3;37(2):146–163.

966.

Interpersonal rejection. New York: Oxford University Press; 2001.

967.

Vesely P, Bloom L, Sherlock J. Key Elements of Building Online Community: Comparing Faculty and Student Perceptions. *Journal of Online Learning and Teaching*; 3AD;3(3). Available from:

[http://jolt.merlot.org/vol3no3/vesely.htm?utm\\_source=nov+11+-+Building+Community+In+The+Online+Environment%3A+Essential+Strategies+For+&utm\\_campaign=Building+Community+In+The+Online+Environment%3A+Essential+Strategies+For+Today%27s+Instructors&utm\\_medium=email](http://jolt.merlot.org/vol3no3/vesely.htm?utm_source=nov+11+-+Building+Community+In+The+Online+Environment%3A+Essential+Strategies+For+&utm_campaign=Building+Community+In+The+Online+Environment%3A+Essential+Strategies+For+Today%27s+Instructors&utm_medium=email)

968.

Vayre E, Vonthron AM. Psychological Engagement of Students in Distance and Online Learning. *Journal of Educational Computing Research*. 2017 Apr;55(2):197–218.

969.

Laurillard D. Rethinking university teaching: a framework for the effective use of educational technology. London: Routledge; 1993.

970.

Shackelford JL, Maxwell M. Sense of community in graduate online education: Contribution of learner to learner interaction. *The International Review of Research in Open and Distributed Learning*. 2012 Oct 1;13(4).

971.

Organisation for Economic Co-operation and Development. Student Engagement at School: A Sense of Belonging and Participation: Results from PISA 2000 [Internet]. Paris: OECD Publishing; 2003. Available from:

<http://ezproxy.lib.gla.ac.uk/login?url=http://dx.doi.org/10.1787/9789264018938-en>

972.

Exter M, Harlin N, Bichelmeyer B. Story of a conference: Distance education students' experiences in a departmental conference. *The Internet and Higher Education*. 2008 Jan;11(1):42-52.

973.

Lenards N. Student Perceptions of an Online Medical Dosimetry Program. *Medical Dosimetry*. 2011 Jun;36(2):178-187.

974.

Wells AV, Horn C. The Asian American College Experience at a Diverse Institution: Campus Climate as a Predictor of Sense of Belonging. *Journal of Student Affairs Research and Practice*. 2015 Apr 3;52(2):149-163.

975.

Change Y (Eunice), Hannafin MJ. 'THE USES (AND MISUSES) OF COLLABORATIVE DISTANCE EDUCATION TECHNOLOGIES Implications for the Debate on Transience in Technology'. 2015 Jan 1;16(2):77-92. Available from:  
<http://go.galegroup.com.ezproxy.lib.gla.ac.uk/ps/i.do?ty=as&v=2.1&u=glasuni&it=Dlourl&s=RELEVANCE&p=EAIM&qt=TI~%22THE%20USES%20%28AND%20MISUSES%29%20OF%20COLLABORATIVE%20DISTANCE%20EDUCATION%20TECHNOLOGIES%20Implications%20for%20the%20Debate%20on%20Transience%20in%20Technology%22~~SP~77=~~IU~2~~SN~1528-3518~~VO~16&lm=DA~120150101&mp;sw=w&authCount=1>

976.

de Souza M. The Spiritual Dimension of Education - Addressing Issues of Identity and Belonging. *Discourse and Communication for Sustainable Education*. 2016 Jan 1;7(1).

977.

Pollock N, Cornford J. The Theory and Practice of the Virtual University: Working Through the Work of Making Work Mobile. *Minerva*. 2002;40(4):359-373.

978.

González C. The relationship between approaches to teaching, approaches to e-teaching and perceptions of the teaching situation in relation to e-learning among higher education teachers. *Instructional Science*. 2012 Nov;40(6):975–998.

979.

Hartnett M, St. George A, Dron J. Examining Motivation in Online Distance Learning Environments: Complex, Multifaceted, and Situation-Dependent. *International Review of Research in Open and Distance Learning*; 12(6):20–38. Available from: <https://eric.ed.gov/?id=EJ963930>

980.

Holliman AJ, Hulme J, Wilson-Smith K. Transition and adaptability in educational and organisational contexts. *Psychology Teaching Review*. 2019;25(1):4–11.

981.

T. T. Phua F, H. Dericks G, R. Thompson E, Enders J. Are satisfied students simply happy people in the first place? The role of trait affect in student satisfaction. *Assessment & Evaluation in Higher Education*. 2023 Jul 9;1–18.

982.

Collins A, Azmat F, Rentschler R. 'Bringing everyone on the same journey': revisiting inclusion in higher education. *Studies in Higher Education*. 2019 Aug 3;44(8):1475–1487.

983.

Hargis J. A Second Life for Distance Learning. *Turkish Online Journal of Distance Education*; 9(2):57–63. Available from: <https://eric.ed.gov/?id=ED501107>

984.

AltspaceVR [Internet]. AltspaceVR; Available from: <https://altvr.com/>

985.

Beard L, Wilson K, Morra D, Keelan J. A Survey of Health-Related Activities on Second Life. *Journal of Medical Internet Research*. 2009 May 22;11(2).

986.

Kirriemuir J. A Spring 2008 'snapshot' of UK Higher and Further Education Developments in Second Life [Internet]. Eduserv Foundation; Available from: <http://www.silversprite.com/ss/wp-content/uploads/2014/10/snapshot-three.pdf>

987.

Dalgarno B, Lee MJW, Carlson L, Gregory S, Tynan B. An Australian and New Zealand scoping study on the use of 3D immersive virtual worlds in higher education. *Australasian Journal of Educational Technology*. 2011 Mar 9;27(1).

988.

Miller M, Jensen R. Avatars in Nursing. *Nurse Educator*. 2014;39(1):38-41.

989.

Gorini A, Gaggioli A, Vigna C, Riva G. A Second Life for eHealth: Prospects for the Use of 3-D Virtual Worlds in Clinical Psychology. *Journal of Medical Internet Research*. 2008 Aug 5;10(3).

990.

Steele CB. Building collaborative learning environments: The effects of trust and its relationship to learning in the 3-D virtual education environment of second life [Internet]. Colorado Technical University.; 2013. Available from: <https://www.proquest.com/docview/1503670563?pq-origsite=gscholar>

991.

Mørch AI, Caruso V, Hartley MD, Ludlow BL. Creating Contexts for Collaborative Learning in a 3D Virtual World for Distance Education. In: Qian Y, editor. *Integrating Multi-User Virtual Environments in Modern Classrooms* [Internet]. IGI Global; 2018. p. 137-164. Available from:

<http://services.igi-global.com/resolvedoi/resolve.aspx?doi=10.4018/978-1-5225-3719-9.ch007>

992.

Boellstorff T. *Coming of age in Second Life: an anthropologist explores the virtually human*. Princeton, N.J.: Princeton University Press; 2008.

993.

De Lucia A, Francese R, Passero I, Tortora G. Development and evaluation of a virtual campus on Second Life: The case of SecondDMI. *Computers & Education*. 2009 Jan;52(1):220–233.

994.

Melús-Palazón E, Bartolomé-Moreno C, Palacín-Arбуés JC, Lafuente-Lafuente A, García IG, Guillen S, Esteban AB, Clemente S, Marco AM, Gargallo PM, López C, Magallón-Botaya R. Experience with using second life for medical education in a family and community medicine education unit. *BMC Medical Education*. 2012 Dec;12(1).

995.

Keskitalo T, Pyykkö E, Ruokamo H. Exploring the Meaningful Learning of Students in Second Life. *Educational Technology & Society*; 14(1):16–26. Available from: <https://www.jstor.org/stable/pdf/jeductechsoci.14.1.16.pdf>

996.

Gustafson D, Shaw B, Isham A, Dillon D, Spartz J. Exploring the potential of the web-based virtual world of Second Life to improve substance abuse treatment outcomes. Robert Wood Johnson Foundation; Available from: [https://www.niatx.net/pdf/enews/september2008/secondlife\\_report.pdf](https://www.niatx.net/pdf/enews/september2008/secondlife_report.pdf)

997.

Nikolaos P, Ioannis K. E-Learning Quality through Second Life. In: Bryan VC, Wang VCX, editors. *Technology Use and Research Approaches for Community Education and Professional Development* [Internet]. IGI Global; 2013. p. 250–273. Available from: <http://services.igi-global.com/resolvedoi/resolve.aspx?doi=10.4018/978-1-4666-2955-4.ch0>

15

998.

Andreas K, Tsiatsos T, Terzidou T, Pomportsis A. Fostering collaborative learning in Second Life: Metaphors and affordances. *Computers & Education*. 2010 Sep;55(2):603–615.

999.

Clark MA. Genome Island: A Virtual Science Environment in Second Life. *Innovate: Journal of Online Education*; 2009;5(6):1–6. Available from: <https://nsuworks.nova.edu/cgi/viewcontent.cgi?article=1001&context=innovate>

1000.

Google Cardboard [Internet]. Google; Available from: <https://arvr.google.com/cardboard/>

1001.

Lowe C. Graduate Student Perceptions of Learning in a Virtual World. University of Wisconsin: 25th Annual Conference on Distance Learning; 2009.

1002.

Gather [Internet]. Gather; Available from: <https://gather.town/about>

1003.

Google Daydream support [Internet]. Google; Available from: <https://support.google.com/daydream/?hl=en#topic=7105096>

1004.

Ludlow P. High noon on the electronic frontier: conceptual issues in cyberspace. Cambridge, Mass: MIT Press; 1996.



1005.

Greiner B, Caravella M, Roth AE. Is avatar-to-avatar communication as effective as face-to-face communication? An Ultimatum Game experiment in First and Second Life. *Journal of Economic Behavior & Organization*. 2014 Dec;108:374–382.

1006.

Jeffers D. Is there a second life in your future? [Internet]. Proceedings of the 36th annual ACM SIGUCCS conference on User services conference - SIGUCCS '08. SIGUCCS '08: Proceedings of the 36th annual ACM SIGUCCS fall conference: moving mountains, blazing trails; 2008. Available from: <http://portal.acm.org/citation.cfm?doid=1449956.1450012>

1007.

Jeffers D. Is there a second life in your future? [Internet]. Proceedings of the 36th annual ACM SIGUCCS conference on User services conference - SIGUCCS '08. SIGUCCS '08: Proceedings of the 36th annual ACM SIGUCCS fall conference: moving mountains, blazing trails; 2008. Available from: <http://portal.acm.org/citation.cfm?doid=1449956.1450012>

1008.

Petrakou A. Interacting through avatars: Virtual worlds as a context for online education. *Computers & Education*. 2010 May;54(4):1020–1027.

1009.

Wiecha J, Heyden R, Sternthal E, Merialdi M. Learning in a Virtual World: Experience With Using Second Life for Medical Education. *Journal of Medical Internet Research*. 2010 Jan 23;12(1).

1010.

McElhinney E. Living in 3D Social Virtual Worlds and the Influence on Health Literacy, Health Behaviour and Wellbeing [Internet]. 2015. Available from: [https://www.researchgate.net/profile/Evelyn\\_McElhinney/publication/314506853\\_Living\\_in\\_3D\\_Social\\_Virtual\\_Worlds\\_and\\_the\\_Influence\\_on\\_Health\\_Literacy\\_Health\\_Behaviour\\_and\\_Wellbeing/links/58c2d928a6fdcce648de55ef/Living-in-3D-Social-Virtual-Worlds-and-the-Influence-on-Health-Literacy-Health-Behaviour-and-Wellbeing.pdf](https://www.researchgate.net/profile/Evelyn_McElhinney/publication/314506853_Living_in_3D_Social_Virtual_Worlds_and_the_Influence_on_Health_Literacy_Health_Behaviour_and_Wellbeing/links/58c2d928a6fdcce648de55ef/Living-in-3D-Social-Virtual-Worlds-and-the-Influence-on-Health-Literacy-Health-Behaviour-and-Wellbeing.pdf)

1011.

Labster [Internet]. Labster; Available from: <https://www.labster.com/>

1012.

Witmer BG, Singer MJ. Measuring Presence in Virtual Environments: A Presence Questionnaire. *Presence: Teleoperators and Virtual Environments*. 1998 Jun;7(3):225–240.

1013.

Balderas A, Berns A, Palomo-Duarte M, Dodero JM, Ruiz-Rube I. Retrieving Objective Indicators from Student Logs in Virtual Worlds. *Journal of Information Technology Research*. 2017 Jul;10(3):69–83.

1014.

McKerlich R, Riis M, Anderson T, Eastman B. Student Perceptions of Teaching Presence, Social Presence, and Cognitive Presence in a Virtual World. *Journal of Online Learning and Teaching*; 7(3):324–336. Available from: <https://auspace.athabascau.ca/handle/2149/3519>

1015.

Warburton S. Second Life in higher education: Assessing the potential for and the barriers to deploying virtual worlds in learning and teaching. *British Journal of Educational Technology*. 2009 May;40(3):414–426.

1016.

Samsung Gear VR [Internet]. Samsung; Available from: <https://www.samsung.com/global/galaxy/gear-vr/>

1017.

Bente G, Rüggenberg S, Krämer NC. Social presence and interpersonal trust in avatar-based, collaborative net-communications. *Presence* 2004; :54–61. Available from: [https://www.researchgate.net/profile/Gary\\_Bente/publication/228873904\\_Social\\_presence\\_and\\_interpersonal\\_trust\\_in\\_avatar-based\\_collaborative\\_net-communications/links/00b49520887c2a10be000000.pdf](https://www.researchgate.net/profile/Gary_Bente/publication/228873904_Social_presence_and_interpersonal_trust_in_avatar-based_collaborative_net-communications/links/00b49520887c2a10be000000.pdf)

1018.

Lowe C, Clark MA. Student Perceptions of Learning Science in a Virtual World. 24th Annual Conference on Distance Teaching & Learning: University of Wisconsin; 2008.

1019.

Rogers L. Simulating clinical experience: Exploring Second Life as a learning tool for nurse education [Internet]. Ascilite Auckland 2009: Ascilite Auckland 2009; 2009. p. 883–887. Available from: <https://www.ascilite.org/conferences/auckland09/procs/rogers.pdf>

1020.

Edirisingha P, Nie M, Pluciennik M, Young R. Socialisation for learning at a distance in a 3-D multi-user virtual environment. *British Journal of Educational Technology*. 2009 May;40(3):458–479.

1021.

Boulos MNK, Hetherington L, Wheeler S. Second Life: an overview of the potential of 3-D virtual worlds in medical and health education. *Health Information and Libraries Journal*. 2007 Dec;24(4):233–245.

1022.

Cheal C. Student Perceptions of a Course Taught in Second Life. *Innovate: Journal of Online Education*; 2009;5(5). Available from: <https://nsuworks.nova.edu/cgi/viewcontent.cgi?article=1008&context=innovate>

1023.

Warburton S. Second Life in higher education: Assessing the potential for and the barriers to deploying virtual worlds in learning and teaching. *British Journal of Educational Technology*. 2009 May;40(3):414–426.

1024.

Yee N, Bailenson JN, Urbanek M, Chang F, Merget D. The Unbearable Likeness of Being

Digital: The Persistence of Nonverbal Social Norms in Online Virtual Environments. *CyberPsychology & Behavior*. 2007 Feb;10(1):115–121.

1025.

Salmon G. The future for (second) life and learning. *British Journal of Educational Technology*. 2009 May;40(3):526–538.

1026.

Cobb S, Heaney R, Corcoran O, Henderson-Begg S. The Learning Gains and Student Perceptions of a Second Life Virtual Lab. *Bioscience Education*. 2009 Jun;13(1):1–9.

1027.

Thalmann D. The Role of Virtual Humans in Virtual Environment Technology and Interfaces. In: Earnshaw RA, Guedj RA, Dam A van, Vince JA, editors. *Frontiers of Human-Centered Computing, Online Communities and Virtual Environments* [Internet]. London: Springer London; 2001. p. 27–38. Available from: [http://link.springer.com/10.1007/978-1-4471-0259-5\\_3](http://link.springer.com/10.1007/978-1-4471-0259-5_3)

1028.

Fabri M, Moore DJ, Hobbs DJ. The Emotional Avatar: Non-verbal Communication Between Inhabitants of Collaborative Virtual Environments. In: Braffort A, Gherbi R, Gibet S, Teil D, Richardson J, editors. *Gesture-Based Communication in Human-Computer Interaction* [Internet]. Berlin, Heidelberg: Springer Berlin Heidelberg; 1999. p. 269–273. Available from: [http://link.springer.com/10.1007/3-540-46616-9\\_24](http://link.springer.com/10.1007/3-540-46616-9_24)

1029.

Pellas N. The influence of computer self-efficacy, metacognitive self-regulation and self-esteem on student engagement in online learning programs: Evidence from the virtual world of Second Life. *Computers in Human Behavior*. 2014 Jun;35:157–170.

1030.

Bardzell S, Odom W. The Experience of Embodied Space in Virtual Worlds. *Space and Culture*. 2008 Aug;11(3):239–259.

1031.

Murray JA, Hale F, Dozier M. Use and Perceptions of Second Life by Distance Learners: A Comparison with Other Communication Media. *International Journal of E-Learning & Distance Education*; 2015;30(1). Available from: <http://www.ijede.ca/index.php/jde/article/view/922/1584>

1032.

Baker SC, Wentz RK, Woods MM. Using Virtual Worlds in Education: Second Life® as an Educational Tool. *Teaching of Psychology*. 2009 Jan;36(1):59-64.

1033.

Inman C, Wright VH, Hartman JA. USE OF SECOND LIFE IN K - 12 AND HIGHER EDUCATION: A Review of Research. *Turkish Online Journal of Distance Education - TOJDE*; 12(3/2):67-85. Available from: <https://pdfs.semanticscholar.org/af71/0510ffa6a156da8f283d1b1b7cfe01068812.pdf>

1034.

Michels P. Universities use Second Life to teach complex concepts [Internet]. Govtech.com; 25AD. Available from: <http://www.govtech.com/education/Universities-Use-Second-Life-to-Teach.html>

1035.

Childress MD, Braswell R. Using Massively Multiplayer Online Role-Playing Games for Online Learning. *Distance Education*. 2006 Aug;27(2):187-196.

1036.

Baker SC, Wentz RK, Woods MM. Using Virtual Worlds in Education: Second Life® as an Educational Tool. *Teaching of Psychology*. 2009 Jan;36(1):59-64.

1037.

Rüggenberg S, Bente G, Krämer NC. Virtual encounters. Creating social presence in

net-based collaborations. Presence 2005; 2005;97–102. Available from:  
<https://pdfs.semanticscholar.org/5cda/ba9ddbac1c044fd51c3e741a1a3e950570f1.pdf>

1038.

Jarmon L, Traphagan T, Mayrath M, Trivedi A. Virtual world teaching, experiential learning, and assessment: An interdisciplinary communication course in Second Life. Computers & Education. 2009 Aug;53(1):169–182.

1039.

Jarmon L, Traphagan T, Mayrath M, Trivedi A. Virtual world teaching, experiential learning, and assessment: An interdisciplinary communication course in Second Life. Computers & Education. 2009 Aug;53(1):169–182.

1040.

Pellas N. What Makes Students to Participate in Online Collaborative Settings Through Second Life? International Journal of Digital Literacy and Digital Competence. 2014 Jan;5(1):21–44.

1041.

Broadribb S, Carter C. Not. British Journal of Educational Technology. 2009 May;40(3):547–550.

1042.

Wheeler M. Developing the Media Zoo in Second Life. British Journal of Educational Technology [Internet]. British Journal of Educational Technology; 2009 May;40(3):427–443. Available from:  
<https://www2.le.ac.uk/departments/beyond-distance-research-alliance/learning%20inn/media/Matt%20Wheeler%20article%20on%20MZ%20in%20Bjet%20v40i3.pdf>

1043.

Wang F, Burton JK. Second Life in education: A review of publications from its launch to 2011. British Journal of Educational Technology. 2013 May;44(3):357–371.

1044.

Terdiman D. Campus Life Comes to Second Life. 24AD; Available from: <https://www.wired.com/2004/09/campus-life-comes-to-second-life/>

1045.

Robins J. Affording a place: the role of persistent structures in social navigation. Information Research; 2002;7(3). Available from: <http://informationr.net/ir/7-3/paper131.html?pagewanted=all>

1046.

Gourlay L. Digital masks: screens, selves and symbolic hygiene in online higher education. Learning, Media and Technology. 2022 Feb 14;1-9.

1047.

Paul I, Mohanty S, Sengupta R. The role of social virtual world in increasing psychological resilience during the on-going COVID-19 pandemic. Computers in Human Behavior. 2022 Feb;127.

1048.

McClure CD, Williams PN. Gather.town: An opportunity for self-paced learning in a synchronous, distance-learning environment. Compass: Journal of Learning and Teaching. 2021 Jul 13;14(2).

1049.

Latulipe C, De Jaeger A. Comparing Student Experiences of Collaborative Learning in Synchronous CS1 Classes in Gather.Town vs. Zoom. Proceedings of the 53rd ACM Technical Symposium on Computer Science Education [Internet]. ACM; 2022. p. 411-417. Available from: <https://dl.acm.org/doi/10.1145/3478431.3499383>

1050.

Najjar N, Stubler A, Ramaprasad H, Lipford H, Wilson D. Evaluating Students' Perceptions of Online Learning with 2-D Virtual Spaces. Proceedings of the 53rd ACM Technical Symposium on Computer Science Education [Internet]. ACM; 2022. p. 112-118. Available

from: <https://dl.acm.org/doi/10.1145/3478431.3499396>

1051.

Samiei M, Weis C, Schiavo L. Convening during COVID-19: Lessons learnt from organizing virtual workshops in 2020. 2020; Available from: <https://arxiv.org/pdf/2012.01191.pdf>

1052.

Fisher JB, Keenan TF, Buechner C, Shirkey G, Perez-Quezada JF, Knox SH, Frank JM, Runkle BRK, Bohrer G. Once Upon a Time, in AmeriFlux. *Journal of Geophysical Research: Biogeosciences*. 2021 Jan;126(1).

1053.

Bruns A. *Blogs, Wikipedia, Second life, and Beyond: from production to produsage*. New York: Peter Lang; 2009.

1054.

Wierenga K, Florio L. Eduroam: past, present and future. *COMPUTATIONAL METHODS IN SCIENCE AND TECHNOLOGY*; 2005;11(2):169–173. Available from: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.461.1069&rep=rep1&type=pdf>

1055.

Duffy ME. Methodological Issues In Web-based Research. *Journal of Nursing Scholarship*. 2002 Mar;34(1):83–88.

1056.

Cheung CMK, Chiu PY, Lee MKO. Online social networks: Why do students use facebook? *Computers in Human Behavior*. 2011 Jul;27(4):1337–1343.

1057.

Howland JL, Moore JL. Student Perceptions as Distance Learners in Internet-Based Courses.



Distance Education. 2002 Oct;23(2):183-195.

1058.

Mayisela T. The potential use of mobile technology: enhancing accessibility and communication in a blended learning course. South African Journal of Education; 33(1):1-18. Available from: [http://www.scielo.org.za/scielo.php?pid=S0256-01002013000100005&script=sci\\_arttext&lng=pt](http://www.scielo.org.za/scielo.php?pid=S0256-01002013000100005&script=sci_arttext&lng=pt)

1059.

King KP, Cox TD. The professor's guide to taming technology: leveraging digital media, Web 2.0, and more for learning. Charlotte, N.C.: Information Age Publishing; 2011.

1060.

Kidd TT, Chen I. Wired for learning: an educator's guide to web 2.0. Charlotte, NC: IAP, Information Age Publishing; 2009.

1061.

Johnson L, Adams Becker S, Cummins M, Estrada V, Freeman A, Hall C. NMC Horizon Report: 2016 Higher Education Edition [Internet]. The New Media Consortium; Available from: <https://www.learntechlib.org/p/171478/>

1062.

Beldarrain Y. Distance Education Trends: Integrating new technologies to foster student interaction and collaboration. Distance Education. 2006 Aug;27(2):139-153.

1063.

Lai P. THE LITERATURE REVIEW OF TECHNOLOGY ADOPTION MODELS AND THEORIES FOR THE NOVELTY TECHNOLOGY. Journal of Information Systems and Technology Management. 2017 Apr 30;14(1).

1064.

Wenger E, White N, Smith JD. Digital habitats: stewarding technology for communities. 1st ed. Portland, OR: CPsquare; 2009.

1065.

Valverde HH. A Review of Flight Simulator Transfer of Training Studies. *Human Factors: The Journal of the Human Factors and Ergonomics Society*. 1973 Dec;15(6):510-522.

1066.

Swamy M, Sawdon M, Chaytor A, Cox D, Barbaro-Brown J, McLachlan J. A study to investigate the effectiveness of SimMan® as an adjunct in teaching preclinical skills to medical students. *BMC Medical Education*. 2014 Dec;14(1).

1067.

Kotsis SV, Chung KC. Application of the "See One, Do One, Teach One" Concept in Surgical Training. *Plastic and Reconstructive Surgery*. 2013 May;131(5):1194-1201.

1068.

Rodriguez-Paz JM, Kennedy M, Salas E, Wu AW, Sexton JB, Hunt EA, Pronovost PJ. Beyond 'see one, do one, teach one': toward a different training paradigm. *Postgraduate Medical Journal*. 2009 May 1;85(1003):244-249.

1069.

Lenchus JD. End of the "See One, Do One, Teach One" Era: The Next Generation of Invasive Bedside Procedural Instruction. 6th ed. *J Am Osteopath Assoc*; 110:340-346. Available from: <http://jaoa.org/article.aspx?articleid=2094047>

1070.

Chan CH. Evaluation of a simulation-based workshop on clinical performance for emergency physicians and nurses. *World Journal of Emergency Medicine*. 2015;6(1).

1071.

Gordon M, Fell CWR, Box H, Farrell M, Stewart A. Learning health 'safety' within non-technical skills interprofessional simulation education: a qualitative study. *Medical Education Online*. 2017 Jan;22(1).

1072.

Lestander Ö, Lehto N, Engström Å. Nursing students' perceptions of learning after high fidelity simulation: Effects of a Three-step Post-simulation Reflection Model. *Nurse Education Today*. 2016 May;40:219-224.

1073.

Luursema JM, Vorstenbosch M, Kooloos J. Stereopsis, Visuospatial Ability, and Virtual Reality in Anatomy Learning. *Anatomy Research International*. 2017;2017:1-7.

1074.

Oh PJ, Jeon KD, Koh MS. The effects of simulation-based learning using standardized patients in nursing students: A meta-analysis. *Nurse Education Today*. 2015 May;35(5):e6-e15.

1075.

Luursema JM, Buzink SN, Verwey WB, Jakimowicz JJ. Visuo-spatial ability in colonoscopy simulator training. *Advances in Health Sciences Education*. 2010 Dec;15(5):685-694.

1076.

Scalise K, Timms M, Moorjani A, Clark L, Holtermann K, Irvin PS. Student learning in science simulations: Design features that promote learning gains. *Journal of Research in Science Teaching*. 2011 Nov;48(9):1050-1078.

1077.

Zulfiqar S, Zhou R, Asmi F, Yasin A. Using simulation system for collaborative learning to enhance learner's performance. *Cogent Education*. 2018 Jan 9;5(1).

1078.

Scalise K, Timms M, Moorjani A, Clark L, Holtermann K, Irvin PS. Student learning in science simulations: Design features that promote learning gains. *Journal of Research in Science Teaching*. 2011 Nov;48(9):1050–1078.

1079.

Creative techniques to support your laboratory practicals: Student engagement via interactive simulations, smart worksheets and more - STEM Conference 2018 [Internet]. Available from:  
<https://www.heacademy.ac.uk/knowledge-hub/creative-techniques-support-your-laboratory-practicals-student-engagement-interactive>

1080.

Mañeru G, Altarejos M, Rodríguez-Sedano A. Learning By Simulation - An Educational Experience In The Simulation Center Of The School Of Medicine Of The University Of Navarra. *Procedia - Social and Behavioral Sciences*. 2011;28:253–258.

1081.

Bromley P. Active Learning Strategies for Diverse Learning Styles: Simulations Are Only One Method. *PS: Political Science & Politics*. 2013 Oct;46(04):818–822.

1082.

The use of games and simulations in higher education can improve students' cognitive and behavioural skills [Internet]. Available from:  
<https://blogs.lse.ac.uk/impactofsocialsciences/2017/10/05/the-use-of-games-and-simulations-in-higher-education-can-improve-students-cognitive-and-behavioural-skills/>

1083.

Integrated Life Sciences Learning Centre (Bradford) [Internet]. Available from:  
<https://www.bradford.ac.uk/life-sciences/lslc/>

1084.

Bonde MT, Makransky G, Wandall J, Larsen MV, Morsing M, Jarmer H, Sommer MOA. Improving biotech education through gamified laboratory simulations. *Nature Biotechnology*. 2014 Jul;32(7):694–697.

1085.

Horn L, Rubin O, Schouenborg L. Undead Pedagogy: How a Zombie Simulation Can Contribute to Teaching International Relations. *International Studies Perspectives*. 2015 Feb;n/a-n/a.

1086.

Squire K, Barab S. Replaying history: engaging urban underserved students in learning world history through computer simulation games. *ICLS '04 Proceedings of the 6th international conference on Learning sciences*; 2004;505-512. Available from: <https://dl.acm.org/citation.cfm?id=1149188>

1087.

What are some examples of online simulations for science labs? [Internet]. Washington.edu; Available from: <https://www.washington.edu/doit/what-are-some-examples-online-simulations-science-labs>

1088.

Guy RS, Lownes-Jackson M. The Use of Computer Simulation to Compare Student Performance in Traditional Versus Distance Learning Environments. *Issues in Informing Science and Information Technology*; 2015;12:95-109. Available from: <http://iisit.org/Vol12/IISITv12p095-109Guy1767.pdf>

1089.

La Cerra C, Dante A, Caponnetto V, Franconi I, Gaxhja E, Petrucci C, Alfes CM, Lancia L. Effects of high-fidelity simulation based on life-threatening clinical condition scenarios on learning outcomes of undergraduate and postgraduate nursing students: a systematic review and meta-analysis. *BMJ Open*. 2019 Feb;9(2).

1090.

Al-Elq A. Simulation-based medical teaching and learning. *Journal of Family and Community Medicine*. 2010;17(1).

1091.

Makransky G, Thisgaard MW, Gadegaard H. Virtual Simulations as Preparation for Lab Exercises: Assessing Learning of Key Laboratory Skills in Microbiology and Improvement of Essential Non-Cognitive Skills. PLOS ONE. 2016 Jun 2;11(6).

1092.

Makransky G, Mayer RE, Veitch N, Hood M, Christensen KB, Gadegaard H. Equivalence of using a desktop virtual reality science simulation at home and in class. PLOS ONE. 2019 Apr 11;14(4).

1093.

Reed T, Pirotte M, McHugh M, Oh L, Lovett S, Hoyt AE, Quinones D, Adams W, Gruener G, McGaghie WC. Simulation-Based Mastery Learning Improves Medical Student Performance and Retention of Core Clinical Skills. Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare. 2016 Jun;11(3):173-180.

1094.

de Vries LE, May M. Virtual laboratory simulation in the education of laboratory technicians—motivation and study intensity. Biochemistry and Molecular Biology Education. 2019 May;47(3):257-262.

1095.

Gibb J, Vasudev A, Helyer R. Simulation provides deep learning opportunities for medical students intercalating in the biosciences. BMJ Simulation and Technology Enhanced Learning. 2018 Mar 1;

1096.

Cortegiani A, Russotto V, Montalto F, Iozzo P, Palmeri C, Raineri SM, Giarratano A. Effect of High-Fidelity Simulation on Medical Students' Knowledge about Advanced Life Support: A Randomized Study. PLOS ONE. 2015 May 8;10(5).

1097.

Weller JM. Simulation in undergraduate medical education: bridging the gap between

theory and practice. *Medical Education*. 2004 Jan;38(1):32–38.

1098.

Weller JM, Nestel D, Marshall SD, Brooks PM, Conn JJ. Simulation in clinical teaching and learning. *The Medical Journal of Australia*. 2012 May 21;196(9).

1099.

Berragan L. SIMULATION: AN EFFECTIVE PEDAGOGICAL APPROACH FOR NURSING? [Internet]. 2011. Available from: <http://eprints.uwe.ac.uk/20108/7/Simulation%20an%20effective%20pedagogical%20approach%20for%20nursing.pdf>

1100.

Kordi M, Fakari FR, Khadivzadeh T, Mazloun SR, Akhlaghi F, Tara M. The Effect of Web-based and Simulation-based Education on Midwifery Students' Self-Confidence in Postpartum Hemorrhage Management. *Journal of Midwifery & Reproductive Health*; 2015;3(1):262–268. Available from: [http://jmrh.mums.ac.ir/article\\_3247.html](http://jmrh.mums.ac.ir/article_3247.html)

1101.

Wang CY, Wu HK, Lee SWY, Hwang FK, Chang HY, Wu YT, Chiou GL, Chen S, Liang JC, Lin JW, Lo H, Tsai CC. A Review of Research on Technology-Assisted School Science Laboratories. *Educational Technology & Society*; 2014;17(2):307–320. Available from: <https://www.jstor.org/stable/pdf/jeductechsoci.17.2.307.pdf>

1102.

Chen B, deNoyelles A. Exploring Students' Mobile Learning Practices in Higher Education. *Educause Review*; 7AD; Available from: <https://er.educause.edu/articles/2013/10/exploring-students-mobile-learning-practices-in-higher-education>

1103.

Al-Emran M, Elsherif HM, Shaalan K. Investigating attitudes towards the use of mobile learning in higher education. *Computers in Human Behavior*. 2016 Mar;56:93–102.

1104.

Murphy A, Farley H. Introduction: Supporting the Sustainable Implementation of Mobile Learning for Higher Education in the Asia-Pacific Region. In: Murphy A, Farley H, Dyson LE, Jones H, editors. *Mobile Learning in Higher Education in the Asia-Pacific Region* [Internet]. Singapore: Springer Singapore; 2017. p. 3-23. Available from: [http://link.springer.com/10.1007/978-981-10-4944-6\\_1](http://link.springer.com/10.1007/978-981-10-4944-6_1)

1105.

Dennen VP, Hao S. Intentionally mobile pedagogy: the M-COPE framework for mobile learning in higher education. *Technology, Pedagogy and Education*. 2014 Jul 3;23(3):397-419.

1106.

Wu WH, Jim Wu YC, Chen CY, Kao HY, Lin CH, Huang SH. Review of trends from mobile learning studies: A meta-analysis. *Computers & Education*. 2012 Sep;59(2):817-827.

1107.

Ahmad T. Student perceptions on using cell phones as learning tools. *PSU Research Review*. 2020 Feb 14;4(1):25-43.

1108.

Parrish PE. Aesthetic principles for instructional design. *Educational Technology Research and Development*. 2009 Aug;57(4):511-528.

1109.

Sims R. Beyond Instructional Design: Making Learning Design a Reality. *Journal of Learning Design*; 2006;1(2):1-9. Available from: <https://eric.ed.gov/?id=EJ1066491>

1110.

Gray CM. Critiquing the Role of the Learner and Context in Aesthetic Learning Experiences. In: Hokanson B, Clinton G, Tracey MW, editors. *The Design of Learning Experience*



[Internet]. Cham: Springer International Publishing; 2015. p. 199–213. Available from: [http://link.springer.com/10.1007/978-3-319-16504-2\\_14](http://link.springer.com/10.1007/978-3-319-16504-2_14)

1111.

Pugh KJ, Girod M. Science, Art, and Experience: Constructing a Science Pedagogy From Dewey's Aesthetics. *Journal of Science Teacher Education*. 2007 Feb 16;18(1):9–27.

1112.

David A, Glore P. The Impact of Design and Aesthetics on Usability, Credibility, and Learning in an Online Environment. *Online Journal of Distance Learning Administration*; 2010;13(4). Available from: <https://eric.ed.gov/?id=EJ918574>

1113.

Uhrmacher PB. Toward a Theory of Aesthetic Learning Experiences. *Curriculum Inquiry*. 2009 Dec;39(5):613–636.

1114.

Slykhuis DA, Wiebe EN, Annetta LA. Eye-Tracking Students' Attention to PowerPoint Photographs in a Science Education Setting. *Journal of Science Education and Technology*. 2005 Dec;14(5–6):509–520.

1115.

Milgram P, Kishino F. A TAXONOMY OF MIXED REALITY VISUAL DISPLAYS. *IEICE Transactions on Information Systems*; E77-D(12):1321–1329. Available from: [https://www.researchgate.net/publication/231514051\\_A\\_Taxonomy\\_of\\_Mixed\\_Reality\\_Visual\\_Displays](https://www.researchgate.net/publication/231514051_A_Taxonomy_of_Mixed_Reality_Visual_Displays)

1116.

Azuma R, Baillet Y, Behringer R, Feiner S, Julier S, MacIntyre B. Recent advances in augmented reality. *IEEE Computer Graphics and Applications*. 2001;21(6):34–47.

1117.

Craig AB. Understanding augmented reality: concepts and applications [Internet]. Amsterdam: Morgan Kaufmann; 2013. Available from: <https://ezproxy.lib.gla.ac.uk/login?url=https://www.sciencedirect.com/science/book/9780240824086>

1118.

Wu HK, Lee SWY, Chang HY, Liang JC. Current status, opportunities and challenges of augmented reality in education. *Computers & Education*. 2013 Mar;62:41–49.

1119.

Yuen SCY, Yaoyuneyong G, Johnson E. Augmented Reality: An Overview and Five Directions for AR in Education. *Journal of Educational Technology Development and Exchange*. 2011 Jun 1;4(1).

1120.

Bower M, Howe C, McCredie N, Robinson A, Grover D. Augmented Reality in education – cases, places and potentials. *Educational Media International*. 2014 Jan 2;51(1):1–15.

1121.

Chiang THC, Yang SJH, Hwang GJ. Students' online interactive patterns in augmented reality-based inquiry activities. *Computers & Education*. 2014 Sep;78:97–108.

1122.

Kesim M, Ozarslan Y. Augmented Reality in Education: Current Technologies and the Potential for Education. *Procedia - Social and Behavioral Sciences*. 2012;47:297–302.

1123.

Kamarainen AM, Metcalf S, Grotzer T, Browne A, Mazzuca D, Tutwiler MS, Dede C. EcoMOBILE: Integrating augmented reality and probeware with environmental education field trips. *Computers & Education*. 2013 Oct;68:545–556.

1124.

Dunleavy M, Dede C, Mitchell R. Affordances and Limitations of Immersive Participatory Augmented Reality Simulations for Teaching and Learning. *Journal of Science Education and Technology*. 2009 Feb;18(1):7–22.

1125.

Dunleavy M, Dede C. Augmented Reality Teaching and Learning. In: Spector JM, Merrill MD, Elen J, Bishop MJ, editors. *Handbook of Research on Educational Communications and Technology* [Internet]. New York, NY: Springer New York; 2014. p. 735–745. Available from: [http://link.springer.com/10.1007/978-1-4614-3185-5\\_59](http://link.springer.com/10.1007/978-1-4614-3185-5_59)

1126.

Arvanitis TN, Petrou A, Knight JF, Savas S, Sotiriou S, Gargalakos M, Gialouri E. Human factors and qualitative pedagogical evaluation of a mobile augmented reality system for science education used by learners with physical disabilities. *Personal and Ubiquitous Computing*. 2009 Mar;13(3):243–250.

1127.

Di Serio Á, Ibáñez MB, Kloos CD. Impact of an augmented reality system on students' motivation for a visual art course. *Computers & Education*. 2013 Oct;68:586–596.

1128.

Chang HY, Wu HK, Hsu YS. Integrating a mobile augmented reality activity to contextualize student learning of a socioscientific issue. *British Journal of Educational Technology*. 2013 May;44(3):E95–E99.

1129.

Radu I. Augmented reality in education: a meta-review and cross-media analysis. *Personal and Ubiquitous Computing*. 2014 Aug;18(6):1533–1543.

1130.

Sumadio DD, Rambli DRA. Preliminary Evaluation on User Acceptance of the Augmented Reality Use for Education. 2010 Second International Conference on Computer Engineering and Applications [Internet]. IEEE; 2010. p. 461–465. Available from: <http://ieeexplore.ieee.org/document/5445691/>

1131.

Olsson T, Salo M. Online user survey on current mobile augmented reality applications. 2011 10th IEEE International Symposium on Mixed and Augmented Reality [Internet]. IEEE; 2011. p. 75–84. Available from: <http://ieeexplore.ieee.org/document/6162874/>

1132.

Klopfer E, Squire K. Environmental Detectives—the development of an augmented reality platform for environmental simulations. *Educational Technology Research and Development*. 2008 Apr;56(2):203–228.

1133.

Akçayır M, Akçayır G. Advantages and challenges associated with augmented reality for education: A systematic review of the literature. *Educational Research Review*. 2017 Feb;20:1–11.

1134.

Andujar JM, Mejias A, Marquez MA. Augmented Reality for the Improvement of Remote Laboratories: An Augmented Remote Laboratory. *IEEE Transactions on Education*. 2011 Aug;54(3):492–500.

1135.

Cheng KH, Tsai CC. Affordances of Augmented Reality in Science Learning: Suggestions for Future Research. *Journal of Science Education and Technology*. 2013 Aug;22(4):449–462.

1136.

Volonté F, Pugin F, Bucher P, Sugimoto M, Ratib O, Morel P. Augmented reality and image overlay navigation with OsiriX in laparoscopic and robotic surgery: not only a matter of fashion. *Journal of Hepato-Biliary-Pancreatic Sciences*. 2011 Jul;18(4):506–509.

1137.

El Sayed NAM, Zayed HH, Sharawy MI. ARSC: Augmented Reality Student Card. 2010 International Computer Engineering Conference (ICENCO) [Internet]. IEEE; 2010. p. 113-120. Available from: <http://ieeexplore.ieee.org/document/5720437/>

1138.

Kaufman DM, Mann KV. Teaching and Learning in Medical Education: How Theory can Inform Practice. In: Swanwick T, editor. Understanding Medical Education [Internet]. Oxford, UK: Wiley-Blackwell; 2010. p. 16-36. Available from: <http://doi.wiley.com/10.1002/9781444320282.ch2>

1139.

Lin TJ, Duh HBL, Li N, Wang HY, Tsai CC. An investigation of learners' collaborative knowledge construction performances and behavior patterns in an augmented reality simulation system. *Computers & Education*. 2013 Oct;68:314-321.

1140.

Chi HL, Kang SC, Wang X. Research trends and opportunities of augmented reality applications in architecture, engineering, and construction. *Automation in Construction*. 2013 Aug;33:116-122.

1141.

Chen CM, Tsai YN. Interactive augmented reality system for enhancing library instruction in elementary schools. *Computers & Education*. 2012 Sep;59(2):638-652.

1142.

Kipper G, Rampolla J. Augmented reality: an emerging technologies guide to AR [Internet]. Waltham, MA: Syngress; 2012. Available from: <http://ezproxy.lib.gla.ac.uk/login?url=http://www.sciencedirect.com/science/book/9781597497336>

1143.

Carmigniani J, Furht B, Anisetti M, Ceravolo P, Damiani E, Ivkovic M. Augmented reality technologies, systems and applications. *Multimedia Tools and Applications*. 2011 Jan;51(1):341-377.

1144.

Pence HE. Smartphones, Smart Objects, and Augmented Reality. *The Reference Librarian*. 2010 Dec 30;52(1-2):136-145.

1145.

FitzGerald E, Ferguson R, Adams A, Gaved M, Mor Y, Thomas R. Augmented Reality and Mobile Learning. *International Journal of Mobile and Blended Learning*. 2013 Oct;5(4):43-58.

1146.

Martin S, Diaz G, Sancristobal E, Gil R, Castro M, Peire J. New technology trends in education: Seven years of forecasts and convergence. *Computers & Education*. 2011 Nov;57(3):1893-1906.

1147.

Chang KE, Chang CT, Hou HT, Sung YT, Chao HL, Lee CM. Development and behavioral pattern analysis of a mobile guide system with augmented reality for painting appreciation instruction in an art museum. *Computers & Education*. 2014 Feb;71:185-197.

1148.

Klopfer E, Sheldon J. Augmenting your own reality: Student authoring of science-based augmented reality games. *New Directions for Youth Development*. 2010 Dec;2010(128):85-94.

1149.

Ibáñez MB, Di Serio Á, Villarán D, Delgado Kloos C. Experimenting with electromagnetism using augmented reality: Impact on flow student experience and educational effectiveness. *Computers & Education*. 2014 Feb;71:1-13.

1150.

Billinghurst M, Clark A, Lee G. A Survey of Augmented Reality. *Foundations and Trends® in*

Human-Computer Interaction. 2015;8(2-3):73-272.

1151.

Santos MEC, Chen A, Taketomi T, Yamamoto G, Miyazaki J, Kato H. Augmented Reality Learning Experiences: Survey of Prototype Design and Evaluation. IEEE Transactions on Learning Technologies. 2014 Jan;7(1):38-56.

1152.

Kirkman MA, Ahmed M, Albert AF, Wilson MH, Nandi D, Sevdalis N. The use of simulation in neurosurgical education and training. Journal of Neurosurgery. 2014 Aug;121(2):228-246.

1153.

Fonseca D, Martí N, Redondo E, Navarro I, Sánchez A. Relationship between student profile, tool use, participation, and academic performance with the use of Augmented Reality technology for visualized architecture models. Computers in Human Behavior. 2014 Feb;31:434-445.

1154.

Dede C. Immersive Interfaces for Engagement and Learning. Science. 2009 Jan 2;323(5910):66-69.

1155.

Yoon SA, Elinich K, Wang J, Steinmeier C, Tucker S. Using augmented reality and knowledge-building scaffolds to improve learning in a science museum. International Journal of Computer-Supported Collaborative Learning. 2012 Dec;7(4):519-541.

1156.

Wang X, Kim MJ, Love PED, Kang SC. Augmented Reality in built environment: Classification and implications for future research. Automation in Construction. 2013 Jul;32:1-13.

1157.

Graham M, Zook M, Boulton A. Augmented reality in urban places: contested content and the duplicity of code. *Transactions of the Institute of British Geographers*. 2013 Jul;38(3):464-479.

1158.

Navab N, Blum T, Wang L, Okur A, Wendler T. First Deployments of Augmented Reality in Operating Rooms. *Computer*. 2012 Jul;45(7):48-55.

1159.

Carmigniani J, Furht B. Augmented Reality: An Overview. In: Furht B, editor. *Handbook of Augmented Reality [Internet]*. New York, NY: Springer New York; 2011. p. 3-46. Available from: [http://link.springer.com/10.1007/978-1-4614-0064-6\\_1](http://link.springer.com/10.1007/978-1-4614-0064-6_1)

1160.

Gavish N, Gutiérrez T, Webel S, Rodríguez J, Peveri M, Bockholt U, Tecchia F. Evaluating virtual reality and augmented reality training for industrial maintenance and assembly tasks. *Interactive Learning Environments*. 2015 Nov 2;23(6):778-798.

1161.

Nee AYC, Ong SK, Chryssolouris G, Mourtzis D. Augmented reality applications in design and manufacturing. *CIRP Annals*. 2012;61(2):657-679.

1162.

Akçayır M, Akçayır G, Pektaş HM, Ocak MA. Augmented reality in science laboratories: The effects of augmented reality on university students' laboratory skills and attitudes toward science laboratories. *Computers in Human Behavior*. 2016 Apr;57:334-342.

1163.

Graafland M, Schraagen JM, Schijven MP. Systematic review of serious games for medical education and surgical skills training. *British Journal of Surgery*. 2012 Oct;99(10):1322-1330.



1164.

Nah FFH, Zeng Q, Telaprolu VR, Ayyappa AP, Eschenbrenner B. Gamification of Education: A Review of Literature. In: Nah FFH, editor. HCl in Business [Internet]. Cham: Springer International Publishing; 2014. p. 401–409. Available from: [http://link.springer.com/10.1007/978-3-319-07293-7\\_39](http://link.springer.com/10.1007/978-3-319-07293-7_39)

1165.

Kounavis CD, Kasimati AE, Zamani ED. Enhancing the Tourism Experience through Mobile Augmented Reality: Challenges and Prospects. *International Journal of Engineering Business Management*. 2012 Jan;4.

1166.

Papagiannakis G, Singh G, Magnenat-Thalmann N. A survey of mobile and wireless technologies for augmented reality systems. *Computer Animation and Virtual Worlds*. 2008 Feb;19(1):3–22.

1167.

Chen YC, Chi HL, Hung WH, Kang SC. Use of Tangible and Augmented Reality Models in Engineering Graphics Courses. *Journal of Professional Issues in Engineering Education and Practice*. 2011 Oct;137(4):267–276.

1168.

Dede C, Jass Ketelhut D, Whitehouse P, Breit L, McCloskey EM. A Research Agenda for Online Teacher Professional Development. *Journal of Teacher Education*. 2009 Jan;60(1):8–19.

1169.

Williams AJ, Pence HE. Smart Phones, a Powerful Tool in the Chemistry Classroom. *Journal of Chemical Education*. 2011 Jun;88(6):683–686.

1170.

Lee S, Choi J, Park J il. Interactive e-learning system using pattern recognition and augmented reality. *IEEE Transactions on Consumer Electronics*. 2009 May;55(2):883–890.

1171.

Olwal A, Gustafsson J, Lindfors C. Spatial augmented reality on industrial CNC-machines. *The Engineering Reality of Virtual Reality 2008* [Internet]. SPIE; 2008. Available from: <http://proceedings.spiedigitallibrary.org/proceeding.aspx?doi=10.1117/12.760960>

1172.

Jung T, Chung N, Leue MC. The determinants of recommendations to use augmented reality technologies: The case of a Korean theme park. *Tourism Management*. 2015 Aug;49:75–86.

1173.

Drake RL, McBride JM, Lachman N, Pawlina W. Medical education in the anatomical sciences: The winds of change continue to blow. *Anatomical Sciences Education*. 2009 Nov;2(6):253–259.

1174.

Huizenga J, Admiraal W, Akkerman S, Dam G ten. Mobile game-based learning in secondary education: engagement, motivation and learning in a mobile city game. *Journal of Computer Assisted Learning*. 2009 Jul 6;25(4):332–344.

1175.

Bower M, Howe C, McCredie N, Robinson A, Grover D. Augmented Reality in education – cases, places and potentials. *Educational Media International*. 2014 Jan 2;51(1):1–15.

1176.

Klopfer E, Squire K. Environmental Detectives—the development of an augmented reality platform for environmental simulations. *Educational Technology Research and Development*. 2008 Apr;56(2):203–228.

1177.

Billinghurst M, Duenser A. Augmented Reality in the Classroom. *Computer*. 2012 Jul;45(7):56-63.

1178.

Dede C. Immersive Interfaces for Engagement and Learning. *Science*. 2009 Jan 2;323(5910):66-69.

1179.

Cheng KH, Tsai CC. Affordances of Augmented Reality in Science Learning: Suggestions for Future Research. *Journal of Science Education and Technology*. 2013 Aug;22(4):449-462.

1180.

Furht B, SpringerLink (Online service). Handbook of augmented reality [Internet]. New York: Springer; 2011. Available from:  
<http://ezproxy.lib.gla.ac.uk/login?url=http://dx.doi.org/10.1007/978-1-4614-0064-6>

1181.

Pence HE. Smartphones, Smart Objects, and Augmented Reality. *The Reference Librarian*. 2010 Dec 30;52(1-2):136-145.

1182.

Cuendet S, Bonnard Q, Do-Lenh S, Dillenbourg P. Designing augmented reality for the classroom. *Computers & Education*. 2013 Oct;68:557-569.

1183.

Carmigniani J, Furht B, Anisetti M, Ceravolo P, Damiani E, Ivkovic M. Augmented reality technologies, systems and applications. *Multimedia Tools and Applications*. 2011 Jan;51(1):341-377.

1184.

Yoon SA, Elinich K, Wang J, Steinmeier C, Tucker S. Using augmented reality and knowledge-building scaffolds to improve learning in a science museum. *International Journal of Computer-Supported Collaborative Learning*. 2012 Dec;7(4):519–541.

1185.

Martín-Gutiérrez J, Fabiani P, Benesova W, Meneses MD, Mora CE. Augmented reality to promote collaborative and autonomous learning in higher education. *Computers in Human Behavior*. 2015 Oct;51:752–761.

1186.

Hwang GJ, Wu PH. Advancements and trends in digital game-based learning research: a review of publications in selected journals from 2001 to 2010. *British Journal of Educational Technology*. 2012 Jan;43(1):E6–E10.

1187.

Sommerauer P, Müller O. Augmented reality in informal learning environments: A field experiment in a mathematics exhibition. *Computers & Education*. 2014 Oct;79:59–68.

1188.

Wojciechowski R, Cellary W. Evaluation of learners' attitude toward learning in ARIES augmented reality environments. *Computers & Education*. 2013 Oct;68:570–585.

1189.

Bressler DM, Bodzin AM. A mixed methods assessment of students' flow experiences during a mobile augmented reality science game. *Journal of Computer Assisted Learning*. 2013 Dec;29(6):505–517.

1190.

Bujak KR, Radu I, Catrambone R, MacIntyre B, Zheng R, Golubski G. A psychological perspective on augmented reality in the mathematics classroom. *Computers & Education*. 2013 Oct;68:536–544.

1191.

Lindgren R, Johnson-Glenberg M. Emboldened by Embodiment. *Educational Researcher*. 2013 Nov;42(8):445–452.

1192.

Duh HBL, Billinghurst M. Trends in augmented reality tracking, interaction and display: A review of ten years of ISMAR. 2008 7th IEEE/ACM International Symposium on Mixed and Augmented Reality [Internet]. IEEE; 2008. p. 193–202. Available from: <http://ieeexplore.ieee.org/document/4637362/>

1193.

Alaraj A, Charbel FT, Birk D, Tobin M, Luciano C, Banerjee PP, Rizzi S, Sorenson J, Foley K, Slavin K, Roitberg B. Role of Cranial and Spinal Virtual and Augmented Reality Simulation Using Immersive Touch Modules in Neurosurgical Training. *Neurosurgery*. 2013 Jan;72:A115–A123.

1194.

Getzin S, Wiegand K, Schöning I. Assessing biodiversity in forests using very high-resolution images and unmanned aerial vehicles. *Methods in Ecology and Evolution*. 2012 Apr;3(2):397–404.

1195.

Morris LV. On or Coming to your Campus Soon: Drones. *Innovative Higher Education*. 2015 Jun;40(3):187–188.

1196.

Marron MB. Drones in Journalism Education. *Journalism & Mass Communication Educator*. 2013 Jun;68(2):95–98.

1197.

Hanssen S. Drone Class: Keeping Coursework Current as Technology Advances.

Community College Journal of Research and Practice. 2016 Oct 2;40(10):871–874.

1198.

McEvoy JF, Hall GP, McDonald PG. Evaluation of unmanned aerial vehicle shape, flight path and camera type for waterfowl surveys: disturbance effects and species recognition. PeerJ. 2016 Mar 21;4.

1199.

Gillani B, Gillani R. From droughts to drones: an after-school club uses drones to learn about environmental science. Science and Children; Available from: <http://go.galegroup.com.ezproxy.lib.gla.ac.uk/ps/i.do?p=EAIM&u=glasuni&id=GALE|A430496782&v=2.1&it=r&sid=summon&authCount=1#>

1200.

Birtchnell T, Gibson C. Less talk more drone: social research with UAVs. Journal of Geography in Higher Education. 2015 Jan 2;39(1):182–189.

1201.

Hodgson JC, Baylis SM, Mott R, Herrod A, Clarke RH. Precision wildlife monitoring using unmanned aerial vehicles. Scientific Reports. 2016 Sep;6(1).

1202.

Fokides E, Papadakis D, Kourtis-Kazoullis V. To drone or not to drone? Results of a pilot study in primary school settings. Journal of Computers in Education. 2017 Sep;4(3):339–353.

1203.

Gonzalez L, Montes G, Puig E, Johnson S, Mengersen K, Gaston K. Unmanned Aerial Vehicles (UAVs) and Artificial Intelligence Revolutionizing Wildlife Monitoring and Conservation. Sensors. 2016 Jan 14;16(1).

1204.

Mulero-Pázmány M, Jenni-Eiermann S, Strebel N, Sattler T, Negro JJ, Tablado Z. Unmanned aircraft systems as a new source of disturbance for wildlife: A systematic review. PLOS ONE. 2017 Jun 21;12(6).

1205.

Fombuena A. Unmanned Aerial Vehicles and Spatial Thinking: Boarding Education With Geotechnology And Drones. IEEE Geoscience and Remote Sensing Magazine. 2017 Sep;5(3):8-18.

1206.

Hahn N, Mwakatobe A, Konuche J, de Souza N, Keyyu J, Goss M, Chang'a A, Palminteri S, Dinerstein E, Olson D. Unmanned aerial vehicles mitigate human-elephant conflict on the borders of Tanzanian Parks: a case study. Oryx. 2017 Jul;51(03):513-516.

1207.

Chrétien LP, Théau J, Ménard P. Visible and thermal infrared remote sensing for the detection of white-tailed deer using an unmanned aerial system. Wildlife Society Bulletin. 2016 Mar;40(1):181-191.

1208.

Scobie CA, Hugenholtz CH. Wildlife monitoring with unmanned aerial vehicles: Quantifying distance to auditory detection. Wildlife Society Bulletin. 2016 Dec;40(4):781-785.

1209.

Broughton KM. Students' Sense of Belonging in Study Spaces [Internet]. The Patton College of Education of Ohio University; 2019. Available from: [https://etd.ohiolink.edu/apexprod/rws\\_etd/send\\_file/send?accession=ohiou1571956186042992&disposition=inline](https://etd.ohiolink.edu/apexprod/rws_etd/send_file/send?accession=ohiou1571956186042992&disposition=inline)

1210.

Yao CW. Sense of Belonging in International Students: Making the Case against Integration to US Institutions of Higher Education [Internet]. University of Nebraska - Lincoln; 2015. Available from: <https://core.ac.uk/download/pdf/188112646.pdf>