

Teaching in Health Professions

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1.

Association for the Study of Medical Education. Understanding medical education: evidence, theory, and practice [Internet]. Third edition. Swanwick T, Forrest K, O'Brien BC, editors. Hoboken, NJ: Wiley-Blackwell; 2019. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://dx.doi.org/10.1002/9781119373780>

2.

Hodges BD. A practical guide for medical teachers [Internet]. Fifth edition. Dent JA, Harden RM, Hunt D, editors. Edinburgh: Elsevier; 2017. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780702068935>

3.

Marshall S, editor. A handbook for teaching and learning in higher education: enhancing academic practice [Internet]. Fifth edition. Abingdon, Oxon: Routledge; 2020. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=5983041>

4.

Mann KV, Holmes DB, Hayes VM, Burge FI, Viscount PW. Community family medicine teachers' perceptions of their teaching role. Medical Education. 2008 Jul 7;35(3):278–85. doi:10.1111/j.1365-2923.2001.00769.x

5.

Steinert Y, Macdonald ME. Why physicians teach: giving back by paying it forward. Medical Education. 2015 Aug;49(8):773–82. doi:10.1111/medu.12782

6.

Prytula M, Hellsten L ann, McIntyre L. Perceptions of Teacher Planning Time: An Epistemological Challenge. *Current Issues in Education* [Internet]. 2010 Nov 9;13(4). Available from: <https://cie.asu.edu/ojs/index.php/cieatasu/article/view/437>

7.

Grow GO. Teaching Learners To Be Self-Directed. *Adult Education Quarterly*. 1991 Sep 1;41(3):125-49. doi:10.1177/0001848191041003001

8.

Elizabeth M. Constructivism: From Philosophy to Practice [Internet]. 1997. Available from: <http://files.eric.ed.gov/fulltext/ED444966.pdf>

9.

Kitchener KS, King PM. Reflective judgment: Concepts of justification and their relationship to age and education. *Journal of Applied Developmental Psychology*. 1981 Jun;2(2):89-116. doi:10.1016/0193-3973(81)90032-0

10.

P. M. Van Der Vleuten, D. H. J. M. C. The need for evidence in education. *Medical Teacher*. 2000 Jan;22(3):246-50. doi:10.1080/01421590050006205

11.

King A. From Sage on the Stage to Guide on the Side. *College Teaching*. 1993 Jan;41(1):30-5. doi:10.1080/87567555.1993.9926781

12.

Marshall S, editor. *A handbook for teaching and learning in higher education: enhancing academic practice* [Internet]. Fifth edition. Abingdon, Oxon: Routledge; 2020. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=5983041>

13.

McCormick R, Paechter CF, Open University, Scheffler. Learning and knowledge. Open University. London: Paul Chapman in association with the Open University; 1999.

14.

Muijs D. Doing quantitative research in education with SPSS [Electronic resource]. 2nd ed. London: SAGE; 2011. Available from:
<https://login.uofglasgow.idm.oclc.org/login?url=https://methods.sagepub.com/book/doing-quantitative-research-in-education-with-spss-2e>

15.

Skeff K, Bowen J, Irby D. Protecting Time for Teaching in the Ambulatory Care Setting. Academic Medicine [Internet]. 1997;72(8):694–7. Available from:
<https://login.uofglasgow.idm.oclc.org/login?url=https://oce.ovid.com/article/00001888-199708000-00014/PDF>

16.

Luft J. The Johari Window: A graphic model of Awareness in Interpersonal Relations. Human relations training news [Internet]. 1961;5(9). Available from:
<https://static1.1.sqspcdn.com/static/f/1124858/28387950/1617395004320/THE+JOHARI+WINDOW.pdf?token=7qvapCgtyiUyElkKZ1h4LgzDV1I%3D>

17.

McKimm J, Swanwick T. Assessing learning needs. British Journal of Hospital Medicine [Internet]. 2009;70(6):348–51. Available from:
https://www.researchgate.net/profile/Judy_Mckimm/publication/26282399_Assessing_learning_needs/links/0912f505c2d74962ac000000.pdf

18.

Amery J, Lapwood S. A study into the educational needs of children's hospice doctors: a descriptive quantitative and qualitative survey. Palliative Medicine. 2004 Nov 1;18(8):727–33. doi:10.1191/0269216304pm902oa

19.

Cantillon P, Wood DF, Yardley S, editors. ABC of learning and teaching in medicine [Internet]. Third edition. Hoboken, NJ: Wiley; 2017. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=4914172>

20.

Hersey P, Blanchard KH. Great ideas revisited. Training & Development [Internet]. 1996;50(1):42-7. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=tfh&AN=9602066392&site=ehost-live>

21.

Bloom BS, Krathwohl DR, Masia BB. Taxonomy of educational objectives: the classification of educational goals. New York: Longman; 1964.

22.

Atkinson SP. Graduate Competencies, Employability and Educational Taxonomies: Critique of Intended Learning Outcomes. Practice and Evidence of Scholarship of Teaching and Learning in Higher Education [Internet]. 2015;10(2):154-77. Available from: <https://www.pestlhe.org/index.php/pestlhe/article/view/104>

23.

Bloom BS. A taxonomy for learning, teaching, and assessing: a revision of Bloom's. Pearson new international edition. Anderson LW, editor. Harlow, Essex: Pearson; 2014.

24.

David R. Krathwohl. A Revision of Bloom's Taxonomy: An Overview. Theory Into Practice [Internet]. 2002;41(4):212-8. Available from: <https://www.jstor.org/stable/1477405>

25.

Bligh DA. What's the use of lectures? 1st ed. The Jossey-Bass higher and adult education series. San Francisco: Jossey-Bass Publishers; 2000.

26.

Brown G, Manogue M. AMEE Medical Education Guide No. 22: Refreshing lecturing: a guide for lecturers. *Medical Teacher*. 2001 Jan;23(3):231-44. doi:10.1080/01421590120043000

27.

Pugsley L. How to design an effective PowerPoint presentation. *Education for Primary Care*. 2010 Jan;21(1):51-3. doi:10.1080/14739879.2010.11493876

28.

Dunkin MJ. A Review of Research on Lecturing. *Higher Education Research & Development*. 1983 Jan;2(1):63-78. doi:10.1080/0729436830020105

29.

Verner C, Dickinson G. The Lecture, An Analysis and Review of Research. *Adult Education Quarterly*. 1967 Jan 1;17(2):85-100. doi:10.1177/074171366701700204

30.

Gardiner LF. Redesigning Higher Education: Producing Dramatic Gains in Student Learning [Internet]. 1994. Available from: <https://eric.ed.gov/?id=ED394442>

31.

Stuart J, Rutherford RJD. MEDICAL STUDENT CONCENTRATION DURING LECTURES. *The Lancet*. 1978 Sep;312(8088):514-6. doi:10.1016/S0140-6736(78)92233-X

32.

Abel M, Bäuml KHT. Sleep can reduce proactive interference. *Memory*. 2014 May 19;22(4):332-9. doi:10.1080/09658211.2013.785570

33.

Baddeley AD. Human memory: theory and practice. Rev. ed. Hove: Psychology Press; 1997.

34.

Abercrombie MLJ. The anatomy of judgement: an investigation into the processes of perception and reasoning. London: Free Association; 1989.

35.

Dudley-Evans, Johns. The teaching of listening comprehension [Internet]. 1981. Available from: <https://www.teachingenglish.org.uk/article/teaching-listening-comprehension>

36.

The Dr. Fox effect: a study of lecturer effectiveness and ratings of instruction. [Internet]. Academic Medicine; 1975. Available from: http://journals.lww.com/academicmedicine/Abstract/1975/02000/The_Dr__Fox_effect__a_study_of_lecturer.6.aspx

37.

Hashweh MZ. Effects of subject-matter knowledge in the teaching of biology and physics. Teaching and Teacher Education. 1987 Jan;3(2):109-20. doi:10.1016/0742-051X(87)90012-6

38.

Shieh KK, Lin CC. Effects of screen type, ambient illumination, and color combination on VDT visual performance and subjective preference. International Journal of Industrial Ergonomics. 2000 Nov;26(5):527-36. doi:10.1016/S0169-8141(00)00025-1

39.

French MMJ, Blood A, Bright ND, Futak D, Grohmann MJ, Hasthorpe A, et al. Changing Fonts in Education: How the Benefits Vary with Ability and Dyslexia. The Journal of Educational Research. 2013 Jul 4;106(4):301-4. doi:10.1080/00220671.2012.736430

40.

Josephson S. Keeping Your Readers' Eyes on the Screen: An Eye-Tracking Study Comparing Sans Serif and Serif Typefaces. *Visual Communication Quarterly*. 2008 Apr;15(1-2):67-79. doi:10.1080/15551390801914595

41.

Brown G, Atkins M. Effective teaching in higher education [Electronic resource]. London: Routledge; 1990. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=74586&site=ehost-live>

42.

Roman B, Hayden C, Parmelee D. Medical Education Should Say Goodbye to Lectures. *Academic Medicine*. 2021 Nov;96(11):1499-500. doi:10.1097/ACM.0000000000004236

43.

Prober CG, Norden JG. Learning Alone or Learning Together: Is It Time to Reevaluate Teacher and Learner Responsibilities? *Academic Medicine*. 2021 Feb;96(2):170-2. doi:10.1097/ACM.0000000000003741

44.

Brown S, Race P. Lecturing: a practical guide. London: Kogan Page; 2002.

45.

Gibbs G. Learning by Doing: a guide to teaching and learning methods [Internet]. 1988. Available from: <https://thoughtsmostlyaboutlearning.wordpress.com/wp-content/uploads/2015/12/learning-by-doing-graham-gibbs.pdf>

46.

Astin AW. What matters in college?: four critical years revisited. Jossey-Bass higher and adult education series. San Francisco: Jossey-Bass; 1993.

47.

Hake RR. Interactive-engagement versus traditional methods: A six-thousand-student survey of mechanics test data for introductory physics courses. *American Journal of Physics*. 1998;66(1). doi:10.1119/1.18809

48.

Bonwell C, Eison J. Active learning: creating excitement in the classroom [Internet]. ASHE-ERIC Higher Education Report No 1 - George Washington University, Washington D.C.; 1991. Available from: <http://files.eric.ed.gov/fulltext/ED336049.pdf>

49.

Redish EF, Saul J, Steinberg R. On the effectiveness of active-engagement microcomputer-based laboratories. *American Journal of Physics*. 1997;65(1). doi:10.1119/1.18498

50.

Draper SW, Brown MI. Increasing interactivity in lectures using an electronic voting system. *Journal of computer assisted learning*. 2004;20(2):81-94. doi:10.1111/j.1365-2729.2004.00074.x

51.

Ruhl KL, Hughes CA, Schloss PJ. Using the Pause Procedure to Enhance Lecture Recall. *Teacher Education and Special Education: The Journal of the Teacher Education Division of the Council for Exceptional Children*. 1987 Jan 1;10(1):14-8. doi:10.1177/088840648701000103

52.

Ernst H, Colthorpe K. The efficacy of interactive lecturing for students with diverse science backgrounds. *AJP: Advances in Physiology Education*. 2007 Mar 1;31(1):41-4. doi:10.1152/advan.00107.2006

53.

Snell YS Linda S. Interactive lecturing: strategies for increasing participation in large group presentations. *Medical Teacher*. 1999 Jan;21(1):37-42. doi:10.1080/01421599980011

54.

Schell J. What is a flipped classroom? (in 60 seconds) [Internet]. Turn to Your Neighbour: The Official Peer Instruction Blog. Available from: <http://blog.peerinstruction.net/2013/04/22/what-is-a-flipped-classroom-in-60-seconds/>

55.

Cardall S, Krupat E, Ulrich M. Live Lecture Versus Video-Recorded Lecture: Are Students Voting with their feet? *Academic Medicine*. 2008;83(12):1174-8. doi:10.1097/ACM.0b013e31818c6902

56.

Bergmann J, Sams A. Flip your classroom: reach every student in every class every day [Internet]. First edition. Eugene, Oregon: International Society for Technology in Education; 2012. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=3317690>

57.

Prober C, Khan S. Medical Education Reimagined: A Call to Action : *Academic Medicine*. *Academic Medicine*. 2013;88(10):1407-10. doi:10.1097/ACM.0B013E3182A368BD

58.

Clark D. Ten reasons we should ditch university lectures [Internet]. Available from: <https://www.theguardian.com/higher-education-network/blog/2014/may/15/ten-reasons-we-should-ditch-university-lectures>

59.

Mazur E. Peer instruction: Getting students to think in class. In: AIP Conference Proceedings. AIP; 1997. p. 981-8. doi:10.1063/1.53199

60.

Mazur E. Peer instruction: a user's manual. Prentice Hall series in educational innovation. Upper Saddle River, N.J.: Prentice Hall; 1997.

61.

Cantillon P. ABC of learning and teaching in medicine: Teaching large groups. BMJ. 2003;326(7386):437-437. doi:10.1136/bmj.326.7386.437

62.

Graffam B. Active learning in medical education: Strategies for beginning implementation. Medical Teacher. 2007 Jan;29(1):38-42. doi:10.1080/01421590601176398

63.

Patient Assessment Questionnaire [Internet]. Available from: <http://www.westmidlandsdeanery.nhs.uk/Portals/0/Denistry/Dental%20PAQ%20VT%202007-2008.pdf>

64.

Gillispie V. Using the Flipped Classroom to Bridge the Gap to Generation Y. The Ochsner Journal [Internet]. 2016;16(1). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4795497/>

65.

Bell R, Martin S, McCulloch G, O'Sullivan C. Research methods in education [Internet]. Seventh edition. Cohen L, Manion L, Morrison K, editors. London: Routledge; 2011. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=1144438>

66.

BEME Collaboration [Internet]. Available from: <http://www.bemecollaboration.org/>

67.

Joanna Briggs Institute QARI [Internet]. Available from: <https://jbi.global/>

68.

Brookfield S. Developing critical thinkers: challenging adults to explore alternative ways of thinking and acting. Milton Keynes: Open University Press; 1987.

69.

Burls A, Hayward Medical Communications Ltd. What is critical appraisal? Revised edition. London: Hayward Medical Communications; 2014.

70.

The Campbell Collaboration [Internet]. Available from: <http://www.campbellcollaboration.org/>

71.

CASP Critical Appraisal Skills Programme Oxford UK [Internet]. Available from: <http://www.casp-uk.net/>

72.

Cochrane | Trusted evidence. Informed decisions. Better health. [Internet]. Available from: <http://www.cochrane.org/>

73.

Da Silva AL, Dennick R. Corpus analysis of problem-based learning transcripts: an exploratory study. Medical Education. 2010 Mar;44(3):280-8. doi:10.1111/j.1365-2923.2009.03575.x

74.

Garrison DR. Critical thinking and adult education: a conceptual model for developing critical thinking in adult learners. International Journal of Lifelong Education. 1991 Oct;10(4):287-303. doi:10.1080/0260137910100403

75.

Hammick M, Dornan T, Steinert Y. Conducting a best evidence systematic review. Part 1: From idea to data coding. BEME Guide No. 13. Medical Teacher. 2010 Jan;32(1):3-15. doi:10.3109/01421590903414245

76.

Horsley T, Hyde C, Santesso N, Parkes J, Milne R, Stewart R. Teaching critical appraisal skills in healthcare settings. Cochrane Database of Systematic Reviews. 2011;(11). doi:10.1002/14651858.CD001270.pub2

77.

Huang GC, Newman LR, Schwartzstein RM. Critical Thinking in Health Professions Education: Summary and Consensus Statements of the Millennium Conference 2011. Teaching and Learning in Medicine. 2014 Jan;26(1):95-102. doi:10.1080/10401334.2013.857335

78.

Evaluation of a programme of workshops for promoting the teaching of critical appraisal skills. Medical Education. 1998 Sep;32(5):486-91. doi:10.1046/j.1365-2923.1998.00256.x

79.

Jenicek M. The hard art of soft science: Evidence-Based Medicine, Reasoned Medicine or both? Journal of Evaluation in Clinical Practice. 2006 Aug;12(4):410-9. doi:10.1111/j.1365-2753.2006.00718.x

80.

Kee F, Bickle I. Critical thinking and critical appraisal: the chicken and the egg? QJM. 2004 Sep 1;97(9):609-14. doi:10.1093/qjmed/hch099

81.

Kirkpatrick D. Great Ideas Revisited: Revisiting Kirkpatrick's Four-Level Model. Training and Development [Internet]. 1996;50(1):54–9. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=tfh&AN=9602066395&site=ehost-live>

82.

Missimer CA. Good arguments: an introduction to critical thinking. 3rd ed. Englewood Cliffs, N.J.: Prentice Hall; 1995.

83.

Moore TJ. Critical thinking and disciplinary thinking: a continuing debate. Higher Education Research & Development. 2011 Jun;30(3):261–74. doi:10.1080/07294360.2010.501328

84.

Paul R. Critical thinking: how to prepare students for a rapidly changing world. foundation for critical thinking; 1995.

85.

Paul R, Elder L. The Miniature Guide to Critical Thinking: Concepts and Tools [Internet]. 2006. Available from: https://www.criticalthinking.org/files/Concepts_Tools.pdf

86.

Yardley S, Dornan T. Kirkpatrick's levels and education 'evidence'. Medical Education. 2012 Jan;46(1):97–106. doi:10.1111/j.1365-2923.2011.04076.x

87.

Ajjawi R, Rees C, Monrouxe LV. Learning clinical skills during bedside teaching encounters in general practice: A video-observational study with insights from activity theory. Journal of workplace learning. 2015;27(4):298–314. doi:10.1108/JWL-05-2014-0035

88.

Benbassat J. Undesirable features of the medical learning environment: a narrative review

of the literature. *Advances in Health Sciences Education*. 2013;18(3):527–36.
doi:10.1007/s10459-012-9389-5

89.

Birch L. Strategies to implement the recommendations of the Francis report. *British Journal of Healthcare Management* [Internet]. 2015 Dec 2;21(12):558–63. Available from: <https://contentstore.cla.co.uk//secure/link?id=96e87ce1-e640-e911-80cd-005056af4099>

90.

Byrne AM, Sias SM. Conceptual Application of the Discrimination Model of Clinical Supervision for Direct Care Workers in Adolescent Residential Treatment Settings. *Child & Youth Care Forum*. 2010 Jun;39(3):201–9. doi:10.1007/s10566-010-9100-z

91.

Darongkamas J, John C, Walker MJ. An eight-eyed version of Hawkins and Shohet's clinical supervision model: the addition of the cognitive analytic therapy concept of the 'observing eye/I' as the 'observing us'. *British Journal of Guidance & Counselling*. 2014 May 27;42(3):261–70. doi:10.1080/03069885.2014.895797

92.

Donaldson AL. Pre-Professional Training for Serving Children With ASD: An Apprenticeship Model of Supervision. *Teacher Education and Special Education: The Journal of the Teacher Education Division of the Council for Exceptional Children*. 2015 Feb 1;38(1):58–70. doi:10.1177/0888406414566995

93.

Geller E, Foley GM. Broadening the "Ports of Entry" for Speech-Language Pathologists: A Relational and Reflective Model for Clinical Supervision. *American Journal of Speech-Language Pathology* [Internet]. 2009 Feb 1;18(1). Available from: <https://contentstore.cla.co.uk/secure/link?id=6dae9b55-a7b3-e911-80cd-005056af4099>

94.

Hauer KE, ten Cate O, Boscardin C, Irby DM, Iobst W, O'Sullivan PS. Understanding trust as an essential element of trainee supervision and learning in the workplace. *Advances in Health Sciences Education*. 2013 Jul 27. doi:10.1007/s10459-013-9474-4

95.

McCarthy CP, McEvoy JW. Pimping in Medical Education. *JAMA*. 2015 Dec 8;314(22). doi:10.1001/jama.2015.13570

96.

Bhuiyan PS, Rege NN, Supe A, editors. The art of teaching medical students [Internet]. 3rd edition. New Delhi: Reed Elsevier India Pvt Ltd; 2015. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9788131242285>

97.

Veenman S. The Training of Coaching Skills: an implementation study. *Educational Studies*. 1995 Oct;21(3):415–31. doi:10.1080/0305569950210307

98.

Westerman DA, Smith SA. A Research-Based Model for the Clinical Supervision of Student Teachers. [Internet]. 1993. Available from: <https://eric.ed.gov/?id=ED361282>

99.

Sweet J, Pugsley L, Wilson J. Stakeholder perceptions of chairside teaching and learning in one UK dental school. *BDJ*. 2008 Nov 8;205(9):499–503. doi:10.1038/sj.bdj.2008.934

100.

Sweet J, Wilson J, Pugsley L. Chairside teaching and the perceptions of dental teachers in the UK. *BDJ*. 2008 Nov 22;205(10):565–9. doi:10.1038/sj.bdj.2008.983

101.

Sweet J, Wilson J, Pugsley L, Schofield M. Tools to share good chairside teaching practice: a clinical scenario and appreciative questionnaire. *BDJ*. 2008 Dec 13;205(11):603–6. doi:10.1038/sj.bdj.2008.1026

102.

Sweet J, Wilson J, Pugsley L. Educational innovations for dentistry. *BDJ*. 2009 Jan 10;206(1):29–34. doi:10.1038/sj.bdj.2008.1123

103.

Wilson J, Sweet J, Pugsley L. Developmental guidelines for good chairside teaching - a consensus report from two conferences. *European Journal of Dental Education*. 2015 Aug;19(3):185–91. doi:10.1111/eje.12120

104.

Najim M, Rabee R, Ahmed M, Sherwani Y, Ashraf M, Anjum O. The trend toward digital in medical education – playing devil's advocate. *Advances in Medical Education and Practice*. 2015 Oct. doi:10.2147/AMEP.S95309

105.

Ferguson Z. Technology-enhanced learning should be employed alongside – not instead of – bedside teaching. *Advances in Medical Education and Practice*. 2016 Feb. doi:10.2147/AMEP.S102902

106.

Woodley N, McKelvie K, Kellett C. Bedside teaching: specialists versus non-specialists. *The Clinical Teacher*. 2015 May;n/a-n/a. doi:10.1111/tct.12373

107.

Eby LT. Cross-lagged relations between mentoring received from supervisors and employee OCBs: Disentangling causal direction and identifying boundary conditions. *Journal of Applied Psychology* [Internet]. 2015;(4). Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2015-01015-001&site=ehost-live>

108.

Rose GL. Group Differences in Graduate Students' Concepts of The Ideal Mentor. *Research in Higher Education*. 2005 Feb;46(1):53-80. doi:10.1007/s11162-004-6289-4

109.

Sambunjak D, Marušić A. Mentoring. *JAMA*. 2009 Dec 16;302(23). doi:10.1001/jama.2009.1858

110.

Sambunjak D, Straus SE, Marušić A. Mentoring in Academic Medicine. *JAMA*. 2006 Sep 6;296(9). doi:10.1001/jama.296.9.1103

111.

Taherian K, Shekarchian M. Mentoring for doctors. Do its benefits outweigh its disadvantages? *Medical Teacher*. 2008 Jan;30(4):e95-9. doi:10.1080/01421590801929968

112.

Zerzan, Judy T. MD, MPH; Hess, Rachel MD; Schur, Ellen MD; Phillips, Russell S. MD; Rigotti, Nancy MD. Making the Most of Mentors: A Guide for Mentees [Internet]. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00001888-200901000-00037&LSLINK=80&D=ovft>

113.

Byrne A. What is simulation for? *Anaesthesia*. 2012 Mar;67(3):219-25. doi:10.1111/j.1365-2044.2011.07053.x

114.

Ellis MV. Bridging the Science and Practice of Clinical Supervision: Some Discoveries, Some

Misconceptions. *The Clinical Supervisor*. 2010 May 14;29(1):95–116.
doi:10.1080/07325221003741910

115.

Ellis MV. A comparative study of clinical supervision in the Republic of Ireland and the United States. *Journal of Counseling Psychology* [Internet]. 2015;(4). Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2015-46822-001&site=ehost-live>

116.

Hauer KE, ten Cate O, Boscardin C, Irby DM, Iobst W, O'Sullivan PS. Understanding trust as an essential element of trainee supervision and learning in the workplace. *Advances in Health Sciences Education*. 2013 Jul 27. doi:10.1007/s10459-013-9474-4

117.

MacDonald J, Kell C. Develop your Teaching through Peer Review | Wales Deanery [Internet]. Available from: <https://www.walesdeanery.org/how-to-guides/develop-your-teaching-through-peer-review>

118.

Ramani S, Krackov SK. Twelve tips for giving feedback effectively in the clinical environment. *Medical Teacher*. 2012 Oct;34(10):787–91.
doi:10.3109/0142159X.2012.684916

119.

Ramani S. Twelve tips to improve bedside teaching. *Medical Teacher*. 2003 Jan;25(2):112–5. doi:10.1080/0142159031000092463

120.

Detsky AS. The Art of Pimping. *JAMA*. 2009 Apr 1;301(13). doi:10.1001/jama.2009.247

121.

Kost et al A. Socrates Was Not a Pimp: Changing the Paradigm of Questioning in Medical Education [Internet]. Available from:
<https://login.uofglasgow.idm.oclc.org/login?url=http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00001888-201501000-00011&LSLINK=80&D=ovft>

122.

Association for the Study of Medical Education. Understanding medical education: evidence, theory, and practice [Internet]. Third edition. Swanwick T, Forrest K, O'Brien BC, editors. Hoboken, NJ: Wiley-Blackwell; 2019. Available from:
<https://login.uofglasgow.idm.oclc.org/login?url=https://dx.doi.org/10.1002/9781119373780>

123.

Pai HH, Sears DA, Maeda Y. Effects of Small-Group Learning on Transfer: a Meta-Analysis. Educational Psychology Review. 2015 Mar;27(1):79–102. doi:10.1007/s10648-014-9260-8

124.

Second Teaching: A Study of Small Group Physics Learning." [Internet]. Available from:
<https://eric.ed.gov/?id=ED479497>

125.

Garrison DR. Critical Thinking and Self-Directed Learning in Adult Education: An Analysis of Responsibility and Control Issues. Adult Education Quarterly. 1992 Mar 20;42(3):136–48. doi:10.1177/074171369204200302

126.

Saye JW, Brush T. Scaffolding Critical Reasoning about History and Social Issues in Multimedia-Supported Learning Environments. Educational Technology Research and Development [Internet]. 2002;50(3):77–96. Available from:
<https://www.jstor.org/stable/30220337>

127.

Nicol DJ, Macfarlane-Dick D. Formative assessment and self-regulated learning: a model and seven principles of good feedback practice. *Studies in Higher Education*. 2006 Apr;31(2):199–218. doi:10.1080/03075070600572090

128.

Walton H. Small group methods in medical teaching. *Medical Education*. 1997 Nov;31(6):459–64. doi:10.1046/j.1365-2923.1997.00703.x

129.

Barrows HS, Tamblyn RM. Problem-based learning: an approach to medical education [Electronic resource]. v. 1. New York: Springer Pub. Co; 1980. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=423456>

130.

Schmidt HG, Rotgans JI, Yew EH. The process of problem-based learning: what works and why. *Medical Education*. 2011 Aug;45(8):792–806. doi:10.1111/j.1365-2923.2011.04035.x

131.

Svinicki MD. Moving Beyond "It worked": The Ongoing Evolution of Research on Problem-Based Learning in Medical Education. *Educational Psychology Review*. 2007 Feb 22;19(1):49–61. doi:10.1007/s10648-006-9040-1

132.

Savin-Baden M, Major CH, Society for Research into Higher Education. Foundations of problem-based learning. SRHE and Open University Press imprint. Maidenhead: Society for Research into Higher Education & Open University Press; 2004.

133.

Strobel J, van Barneveld A. When is PBL more effective? A meta-synthesis of meta-analyses comparing PBL to conventional classrooms [Internet]. *Interdisciplinary journal of problem-based learning*; 2009. Available from:

<http://docs.lib.purdue.edu/cgi/viewcontent.cgi?article=1046&context=ijpbl>

134.

Hmelo CE. Problem-Based Learning: Effects on the Early Acquisition of Cognitive Skill in Medicine. *Journal of the Learning Sciences*. 1998 Apr;7(2):173-208. doi:10.1207/s15327809jls0702_2

135.

Prince KJAH, van Eijs PWLJ, Boshuizen HPA, van der Vleuten CPM, Scherpbier AJJA. General competencies of problem-based learning (PBL) and non-PBL graduates. *Medical Education*. 2005 Apr;39(4):394-401. doi:10.1111/j.1365-2929.2005.02107.x

136.

Schmidt et al HG. The development of diagnostic competence: comparison of a problem-based, an integrated, and a conventional medical curriculum.[Article] [Internet]. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&D=ovft&AN=00001888-199606000-00021&PDF=y>

137.

Albanese M. Problem-based learning: why curricula are likely to show little effect on knowledge and clinical skills. *Medical Education*. 2000 Sep;34(9):729-38. doi:10.1046/j.1365-2923.2000.00753.x

138.

Simons KD, Ertmer PA. Scaffolding Disciplined Inquiry in Problem-Based Environments [Internet]. Available from: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.458.5661&rep=rep1&type=pdf>

139.

Gilkison A. Techniques used by 'expert' and 'non-expert' tutors to facilitate problem-based learning tutorials in an undergraduate medical curriculum. *Medical Education*. 2003 Jan;37(1):6-14. doi:10.1046/j.1365-2923.2003.01406.x

140.

Park J, Carter G, Butler SM, Wiebe EN, Reid-Griffin ARG. Gestures: Silent Scaffolding within Small Groups. *The Journal of Classroom Interaction* [Internet]. 2006;41(1):15–21. Available from: <https://www.jstor.org/stable/23869755>

141.

Savin-Baden M, Wilkie K, Society for Research into Higher Education. *Challenging research in problem-based learning*. Maidenhead: Society for Research into Higher Education & Open University Press; 2004.

142.

Daloz LA. *Effective teaching and mentoring*. 1st ed. The Jossey-Bass higher education series. San Francisco, Calif: Jossey-Bass; 1986.

143.

Dolmans D HJM, Schmidt HG. What drives the student in problem-based learning? *Medical Education*. 1994 Sep;28(5):372–80. doi:10.1111/j.1365-2923.1994.tb02547.x

144.

Haith-Cooper M. Problem-based learning within health professional education. What is the role of the lecturer? A review of the literature. *Nurse Education Today*. 2000 May;20(4):267–72. doi:10.1054/nedt.1999.0397

145.

Haith-Cooper M. An exploration of tutors' experiences of facilitating problem-based learning. Part 2—implications for the facilitation of problem based learning. *Nurse Education Today*. 2003 Jan;23(1):65–75. doi:10.1016/S0260-6917(02)00166-1

146.

Schmidt HG, Moust JH. What makes a tutor effective? A structural-equations modeling approach to learning in problem-based curricula.[Article] [Internet]. Available from:

<https://login.uofglasgow.idm.oclc.org/login?url=http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&D=ovft&AN=00001888-199508000-00015&PDF=y>

147.

Andrews M, Jones PR. Problem-based learning in an undergraduate nursing programme: a case study. *Journal of Advanced Nursing*. 1996 Feb;23(2):357-65. doi:10.1111/j.1365-2648.1996.tb02679.x

148.

Alavi C. Problem-based learning in a health sciences curriculum [Electronic resource]. London: Routledge; 1995. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=170065>

149.

Steele DJ, Medder JD, Turner P. A comparison of learning outcomes and attitudes in student- versus faculty-led problem-based learning: an experimental study. *Medical Education*. 2000 Jan;34(1):23-9. doi:10.1046/j.1365-2923.2000.00460.x

150.

Murray I, Savin-Baden M. Staff Development in Problem-based Learning. *Teaching in Higher Education*. 2000 Jan;5(1):107-26. doi:10.1080/135625100114993

151.

Couto LB, Bestetti RB, Restini CBA, Faria-Jr M, Romão GS. Brazilian medical students' perceptions of expert versus non-expert facilitators in a (non) problem-based learning environment. *Medical Education Online* [Internet]. 2015 Apr 15;20. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4400295/>

152.

Evensen DH, Hmelo-Silver CE. Problem-based learning: a research perspective on learning interactions. Mahwah, N.J.: Lawrence Erlbaum Publishers; 2000.

153.

Hitchcock MA, Anderson AS. Dealing with dysfunctional tutorial groups. *Teaching and Learning in Medicine*. 1997 Jan;9(1):19–24. doi:10.1080/10401339709539808

154.

Tanner KD. Promoting Student Metacognition. *CBE—Life Sciences Education*. 2012 Jun;11(2):113–20. doi:10.1187/cbe.12-03-0033

155.

Azer SA. Challenges facing PBL tutors: 12 tips for successful group facilitation. *Medical Teacher*. 2005 Jan;27(8):676–81. doi:10.1080/01421590500313001

156.

Johnson DW, Johnson FP. *Joining together: group theory and group skills*. 4th ed. Prentice-Hall international editions. London: Prentice/Hall International; 1991.

157.

Last KS, Appleton J, Stevenson H. Basic science knowledge of dental students on conventional and problem-based learning (PBL) courses at Liverpool. *European Journal of Dental Education*. 2001 Nov;5(4):148–54. doi:10.1034/j.1600-0579.2001.50402.x

158.

Azer SA, Mclean M, Onishi H, Tagawa M, Scherpbier A. Cracks in problem-based learning: What is your action plan? *Medical Teacher*. 2013 Oct;35(10):806–14. doi:10.3109/0142159X.2013.826792

159.

Fatmi M, Hartling L, Hillier T, Campbell S, Oswald AE. The effectiveness of team-based learning on learning outcomes in health professions education: BEME Guide No. 30. *Medical Teacher*. 2013 Dec;35(12):e1608–24. doi:10.3109/0142159X.2013.849802

160.

Koles P, Nelson S, Stolfi A, Parmelee D, DeStephen D. Active learning in a Year 2 pathology curriculum. *Medical Education*. 2005 Oct;39(10):1045–55.
doi:10.1111/j.1365-2929.2005.02248.x

161.

Parmelee D, Michaelsen LK, Cook S, Hudes PD. Team-based learning: A practical guide: AMEE Guide No. 65. *Medical Teacher*. 2012 May;34(5):e275–87.
doi:10.3109/0142159X.2012.651179

162.

Gullo C, Ha TC, Cook S. Twelve tips for facilitating team-based learning. *Medical Teacher*. 2015 Sep 2;37(9):819–24. doi:10.3109/0142159X.2014.1001729

163.

Coady S, Kalet A, Hopkins MA. Online classrooms enhance clerkship small group teaching. *Medical Education*. 2005 Nov;39(11):1152–3. doi:10.1111/j.1365-2929.2005.02305.x

164.

Wells S, Warelow P, Jackson K. Problem based learning (PBL): A conundrum. *Contemporary Nurse*. 2009 Oct;33(2):191–201. doi:10.5172/conu.2009.33.2.191

165.

Rowan CJ, McCourt C, Beake S. Problem based learning in midwifery – The students' perspective. *Nurse Education Today*. 2008 Jan;28(1):93–9. doi:10.1016/j.nedt.2007.02.014

166.

Uijtdehaage S, O'Neal C. A curious case of the phantom professor: mindless teaching evaluations by medical students. *Medical Education*. 2015 Sep;49(9):928–32.
doi:10.1111/medu.12647

167.

Marshall S, editor. A handbook for teaching and learning in higher education: enhancing academic practice [Internet]. Fifth edition. Abingdon, Oxon: Routledge; 2020. Available from: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=5983041>

168.

E-learning methodologies [Internet]. 2011. Available from: <http://www.fao.org/docrep/015/i2516e/i2516e.pdf>

169.

Conole G. The 7Cs of Learning Design - a new approach to rethinking design practice [Internet]. 2014. Available from: <http://www.lancaster.ac.uk/fss/organisations/netlc/past/nlc2014/abstracts/pdf/conole.pdf>

170.

University Benchmark for the Use of Technology in Modules [Internet]. Available from: <http://staff.napier.ac.uk/services/vice-principal-academic/academic/TEL/TechBenchmark/Pages/home.aspx>

171.

ABC Curriculum Design Workshops | UCL Digital Education team blog [Internet]. 2015. Available from: <http://blogs.ucl.ac.uk/digital-education/2015/09/30/9169/>

172.

Laurillard D. Teaching as a design science: building pedagogical patterns for learning and technology. New York, NY: Routledge; 2012.

173.

Salmon G. E-moderating: the key to teaching and learning online. Open and distance learning series. London: Kogan Page; 2000.

174.

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. doi:10.1016/S1096-7516(00)00016-6

175.

Mishra P, Koehler MJ. Technological Pedagogical Content Knowledge: A Framework for Teacher Knowledge [Internet]. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=http://www.tcrecord.org/library/content.asp?contentid=12516>

176.

Association for the Study of Medical Education. Understanding medical education: evidence, theory, and practice [Internet]. Third edition. Swanwick T, Forrest K, O'Brien BC, editors. Hoboken, NJ: Wiley-Blackwell; 2019. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://dx.doi.org/10.1002/9781119373780>

177.

Dale VHM. UCL E-Learning Evaluation Toolkit [Internet]. 2014. Available from: <http://discovery.ucl.ac.uk/1462309/>

178.

Rose DH, Meyer A. Teaching every student in the Digital Age: universal design for learning. Alexandria, Va: Association for Supervision and Curriculum Development; 2002.

179.

Fisher M. Digital learning strategies: how do I assign and assess 21st century work? ASCD arias. Alexandria, Virginia: ASCD; 2013.

180.

Undergraduate Teaching Faculty: The 2013-2014 HERI Faculty Survey [Internet]. 2014. Available from: <http://heri.ucla.edu/pr-display.php?prQry=151>

181.

Clark RC, Mayer RE. E-learning and the science of instruction: proven guidelines for consumers and designers of multimedia learning. 3rd ed. San Francisco, CA: Pfeiffer; 2011.

182.

Peberdy D, editor. Active learning spaces and technology: advances in higher and further education. Droitwich Spa, Worcestershire: DroitwichNet; 2014.

183.

Seven principles for good practice in undergraduate education [Internet]. 1987. Available from:

https://www.flinders.edu.au/Teaching_and_Learning_Files/Documents/7%20Principles%20of%20Good%20Practice%20in%20Undergrad%20Ed-ChickeringGamson.pdf

184.

Race P. The lecturer's toolkit: a practical guide to assessment, learning and teaching [Electronic resource]. 3rd ed. London: Routledge; 2007. Available from:

<https://ebookcentral.proquest.com/lib/gla/detail.action?docID=3060457>

185.

Biggs JB, Tang CS kum, Kennedy G, Biggs JB. Teaching for quality learning at university [Electronic resource]. Fifth edition. Maidenhead: Open University Press; 2022. Available from:

<https://www.vlebooks.com/product/openreader?id=GlasgowUni&acclid=8694356&isbn=9780335250837>

186.

Okojie M, Olinzock A, Okojie-Boulder T. The Pedagogy of TEchnology Integration [Internet]. Available from: <http://files.eric.ed.gov/fulltext/EJ847571.pdf>

187.

Frost J, de Pont G, Brailsford I. Expanding assessment methods and moments in history. *Assessment & Evaluation in Higher Education*. 2012 May;37(3):293–304. doi:10.1080/02602938.2010.531247

188.

Gould J, Day P. Hearing you loud and clear: student perspectives of audio feedback in higher education. *Assessment & Evaluation in Higher Education*. 2013 Aug;38(5):554–66. doi:10.1080/02602938.2012.660131

189.

Suetsugu N, Ohki M, Kaku T. Quantitative Analysis of Nursing Observation Employing a Portable Eye-Tracker. *Open Journal of Nursing*. 2016;06(01):53–61. doi:10.4236/ojn.2016.61006

190.

Richstone, et al LMD. Eye Metrics as an Objective Assessment of Surgical Skill.[Article] [Internet]. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00000658-201007000-00028&LSLINK=80&D=ovft>

191.

Hay DB, Tan PL, Whaites E. Non-traditional learners in higher education: comparison of a traditional MCQ examination with concept mapping to assess learning in a dental radiological science course. *Assessment & Evaluation in Higher Education*. 2010 Aug;35(5):577–95. doi:10.1080/02602931003782525

192.

Hay D, Kinchin I, Lygo-Baker S. Making learning visible: the role of concept mapping in higher education. *Studies in Higher Education*. 2008 Jun;33(3):295–311. doi:10.1080/03075070802049251

193.

Masters K, Ellaway RH, Topps D, Archibald D, Hogue RJ. Mobile technologies in medical

education: AMEE Guide No. 105. Medical Teacher. 2016 Mar 24;1-13.
doi:10.3109/0142159X.2016.1141190

194.

Lovato C, Wall D. Programme Evaluation: Improving Practice, Influencing Policy and Decision-Making. In: Swanwick T, editor. Understanding Medical Education [Internet]. Oxford, UK: John Wiley & Sons, Ltd; 2019. p. 443-55. Available from: <https://login.uofglasgow.idm.oclc.org/login?url=https://dx.doi.org/10.1002/9781119373780.ch30> doi:10.1002/9781119373780.ch30

195.

Boyle J, Quail N, Loo XY, Linn A. Flipping the classroom: is it worth the bother? The Clinical Teacher. 2017 Apr;14(2):137-8. doi:10.1111/tct.12533

196.

Tun MS. Fulfilling a new obligation: Teaching and learning of sustainable healthcare in the medical education curriculum. Medical Teacher. 2019 Oct 3;41(10):1168-77.
doi:10.1080/0142159X.2019.1623870

197.

Shaw E, Walpole S, McLean M, Alvarez-Nieto C, Barna S, Bazin K, et al. AMEE Consensus Statement: Planetary health and education for sustainable healthcare. Medical Teacher. 2021 Mar 4;43(3):272-86. doi:10.1080/0142159X.2020.1860207

198.

Dash, Nihar Ranjan. Evaluation of the integration of social accountability values into medical education using a problem-based learning curriculum. BMC Medical Education [Internet]. 2022;22(1). Available from: <https://bmcmmededuc.biomedcentral.com/articles/10.1186/s12909-022-03245-6>

199.

Bevan J, Blyth R, Russell B, Holtgrewe L, Cheung AHC, Austin I, et al. Planetary health and sustainability teaching in UK medical education: A review of medical school curricula. Medical Teacher. 2022 Dec 12;1-10. doi:10.1080/0142159X.2022.2152190

200.

Tun S, Martin T. Education for Sustainable Healthcare - A curriculum for the UK [Internet]. 2022. Available from: https://www.medschools.ac.uk/media/2949/education-for-sustainable-healthcare_a-curriculum-for-the-uk_20220506.pdf

201.

Outcomes for graduates 2018 [Internet]. 2018. Available from: https://www.gmc-uk.org/-/media/documents/dc11326-outcomes-for-graduates-2018_pdf-75040796.pdf

202.

Infusing climate change and sustainability into the medical school curriculum - The BMJ [Internet]. 2021. Available from: <https://blogs.bmj.com/bmj/2021/06/07/infusing-climate-change-and-sustainability-into-the-medical-school-curriculum/>

203.

Richardson J, Grose J, Doman M, Kelsey J. The use of evidence-informed sustainability scenarios in the nursing curriculum: Development and evaluation of teaching methods. *Nurse Education Today*. 2014 Apr;34(4):490–3. doi:10.1016/j.nedt.2013.07.007

204.

Gandhi V, Al-Hadithy N, Göpfert A, Knight K, van Hove M, Hockey P. Integrating sustainability into postgraduate medical education. *Future Healthcare Journal*. 2020 Jun;7(2):102–4. doi:10.7861/fhj.2020-0042

205.

Rourke J. Social Accountability. *Academic Medicine*. 2018 Aug;93(8):1120–4. doi:10.1097/ACM.0000000000002239

206.

Meili R, Fuller D, Lydiate J. Teaching social accountability by making the links: Qualitative evaluation of student experiences in a service-learning project. *Medical Teacher*. 2011 Aug;33(8):659–66. doi:10.3109/0142159X.2010.530308

207.

Fitzgerald A, Clukey L. Factors influencing nursing professional identity development: A qualitative study. *Nursing Forum*. 2022 Nov;57(6):1346–53. doi:10.1111/nuf.12816

208.

Cruess SR, Cruess RL, Steinert Y. Supporting the development of a professional identity: General principles. *Medical Teacher*. 2019 Jun 3;41(6):641–9. doi:10.1080/0142159X.2018.1536260

209.

KEGAN R. Making Meaning: The Constructive-Developmental Approach to Persons and Practice. *The Personnel and Guidance Journal*. 1980 Jan;58(5):373–80. doi:10.1002/j.2164-4918.1980.tb00416.x

210.

Noble C, McKauge L, Clavarino A. <p>Pharmacy student professional identity formation: a scoping review</p>. *Integrated Pharmacy Research and Practice*. 2019 Mar;Volume 8:15–34. doi:10.2147/IPRP.S162799

211.

Rees CE, Monrouxe LV. Who are you and who do you want to be? Key considerations in developing professional identities in medicine. *Medical Journal of Australia*. 2018 Sep;209(5):202–3. doi:10.5694/mja18.00118

212.

Cruess RL, Cruess SR, Boudreau JD, Snell L, Steinert Y. Reframing Medical Education to Support Professional Identity Formation. *Academic Medicine*. 2014 Nov;89(11):1446–51. doi:10.1097/ACM.0000000000000427

213.

Cruess RL, Cruess SR, Steinert Y. Amending Miller's Pyramid to Include Professional Identity Formation. *Academic Medicine*. 2016 Feb;91(2):180–5. doi:10.1097/ACM.0000000000000913

214.

Irby DM, Hamstra SJ. Parting the Clouds: Three Professionalism Frameworks in Medical Education. *Academic Medicine*. 2016 Dec;91(12):1606–11. doi:10.1097/ACM.0000000000001190

215.

Jarvis-Selinger S, Pratt DD, Regehr G. Competency Is Not Enough. *Academic Medicine*. 2012 Sep;87(9):1185–90. doi:10.1097/ACM.0b013e3182604968