

Maths 1 (DUMF1013)

[View Online](#)

[1]

D. Haylock, Understanding mathematics for young children: A guide for teachers of children 3-7, 14, 5th edition. London: SAGE Publications, 2017 [Online]. Available: <https://elevate.talis.com/textbooks/9781526410009>

[2]

Cockburn, Anne and Dawson Books, Mathematical understanding 5-11: practical ideas from and for the primary classroom. London: Paul Chapman, 2007 [Online]. Available: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9781848605282>

[3]

Haylock, Derek, Thangata, Fiona, and Dawson Books, Key concepts in teaching primary mathematics, vol. SAGE key concepts. Los Angeles, CA: SAGE Publications, 2007 [Online]. Available: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9781849202459>

[4]

P. Gates and NetLibrary, Inc, Issues in mathematics teaching, vol. Issues in subject teaching. London: Routledge/Falmer, 2001 [Online]. Available: <http://ezproxy.lib.gla.ac.uk/login?url=http://www.netLibrary.com/urlapi.asp?action=summary&v=1&bookid=76898>

[5]

National Council of Teachers of Mathematics and Thomson Gale (Firm), 'Teaching children

mathematics', 1994.

[6]

Association of Teachers of Mathematics and EBSCO Publishing (Firm), 'Mathematics teaching'.

[7]

BBC, 'BBC - Schools Ages 4-11 - Numeracy Sites'. [Online]. Available: https://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml

[8]

Education Scotland, 'Supporting Curriculum for Excellence (CfE), quality and improvement, assessment, community and lifelong learning - Education Scotland'. [Online]. Available: <http://www.educationscotland.gov.uk/>

[9]

Teaching Ideas, 'Maths - General Teaching Ideas'. [Online]. Available: <http://www.teachingideas.co.uk/maths/contents.htm>

[10]

'Math is Fun - Maths Resources'. [Online]. Available: <http://www.mathsisfun.com/>

[11]

'Education videos and resources for professional development'. [Online]. Available: <http://www.teachers-media.com/>

[12]

'Ofsted | Finnish pupils' success in mathematics'. [Online]. Available: <http://www.ofsted.gov.uk/resources/finnish-pupils-success-mathematics>

[13]

'Children's mathematics journals' [Online]. Available:
<https://ezproxy.lib.gla.ac.uk/login?url=https://link.gale.com/apps/pub/0EKD/AONE?u=glasu&sid=bookmark-AONE>

[14]

'BBC - Schools Ages 4-11 - Numeracy Sites'. [Online]. Available:
https://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml

[15]

'Math is Fun - Maths Resources'. [Online]. Available: <http://www.mathsisfun.com/>

[16]

'Numeracy across learning - Responsibility of all - Learning, teaching and assessment'. [Online]. Available:
<http://www.educationscotland.gov.uk/learningteachingandassessment/learningacrossthecurriculum/responsibilityofall/numeracy/>

[17]

'Mathematics - Curriculum areas - Learning, teaching and assessment'. [Online]. Available:
<http://www.educationscotland.gov.uk/learningteachingandassessment/curriculumareas/mathematics/>

[18]

'Numeracy - Wikipedia, the free encyclopedia'. [Online]. Available:
<http://en.wikipedia.org/wiki/Numeracy>

[19]

I. Thompson, 'Numeracy articles'. [Online]. Available:
http://www.ianthompson.pi.dsl.pipex.com/index_files/Page352.htm

[20]

'A Maths Dictionary for Kids 2013 by Jenny Eather | Maths Resources | Maths Online Dictionary | Math Words | Math Online Glossary | Math Terms'. [Online]. Available: <http://www.amathsdictionaryforkids.com/>

[21]

'Assignment video 1'. [Online]. Available: <http://www.teachersmedia.co.uk/videos/ks1-ks2-maths-making-maths-real>

[22]

'Assignment video 2'. [Online]. Available: <http://www.teachersmedia.co.uk/videos/calculation>

[23]

'Assignment video 3'. [Online]. Available: <http://www.teachersmedia.co.uk/videos/measures>

[24]

'Assignment video 4'. [Online]. Available: <http://www.teachersmedia.co.uk/videos/ks1-ks2-maths-problem-solving-1>

[25]

'Maths BetterExplained'. [Online]. Available: <http://betterexplained.com/archives/>

[26]

I. Thompson and Dawson Books, Enhancing primary mathematics teaching. Maidenhead: Open University Press, 2003 [Online]. Available: <https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://idp.gla.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780335228065>

[27]

I. Thompson, Enhancing primary mathematics teaching. Maidenhead: Open University Press, 2003 [Online]. Available:
<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780335228065>

[28]

'BBC News - New insight into how children learn maths'. [Online]. Available:
<https://www.bbc.co.uk/news/health-26643823>

[29]

'Growth Mindset: How to Normalize Mistake Making and Struggle in Class | GROWTH MINDSET | MindShift | KQED News'. [Online]. Available:
http://ww2.kqed.org/mindshift/2015/08/24/growth-mindset-how-to-normalize-mistake-making-and-struggle-in-class/?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20150830

[30]

'BBC One - The Richard Dimbleby Lecture, Michael Morpurgo: Set Our Children Free, An extract from Michael Morpurgo's Lecture "Set Our Children Free."' [Online]. Available:
<https://www.bbc.co.uk/programmes/p00fgfl8>

[31]

'KS1 Numeracy - Understanding Place Value | Teachfind'. [Online]. Available:
http://teachfind.com/teachers-tv/ks1-numeracy-understanding-place-value?current_search=understanding%20place%20value

[32]

'Reading How Do We Teach Children To Be Numerate? British Educational Lesson Plan Teach Ordering Numbers'. [Online]. Available:
<http://www.padjane.com/how-do-we-teach-children-to-be-numerate-british-educational-lesson-plan/reading-how-do-we-teach-children-to-be-numerate-british-educational-lesson-plan/>

[33]

K. C. Fuson, L. Grandau, and P. A. Sugiyama, 'Achievable Numerical Understandings for All Young Children', Teaching Children Mathematics, vol. 7, no. 9, 2001 [Online]. Available: <https://ezproxy.lib.gla.ac.uk/login?url=https://go.galegroup.com/ps/i.do?id=GALE%7CA75452613&v=2.1&u=glasuni&it=r&p=AONE&sw=w&asid=a4e11e90e56f6367a69e9318bc9edb06>

[34]

'BBC - Learning Zone Class Clips - The history of place values and index notation - Maths Video'. [Online]. Available: <http://www.bbc.co.uk/learningzone/clips/the-history-of-place-values-and-index-notation/13585.html>

[35]

'Conversion of integers between integer bases'. [Online]. Available: <http://www.mathpath.org/concepts/Num/conv.htm>

[36]

'Fun with Maths'. [Online]. Available: <http://www.teachersmedia.co.uk/videos/fun-with-maths>

[37]

'Year 3 - All about Numbers'. [Online]. Available: <https://www.youtube.com/watch?v=hIYKWCCqpZA>

[38]

'Teaching and Learning - Early Years Foundation Stage'. [Online]. Available: <http://archive.teachfind.com/ttv/www.teachers.tv/videos/teaching-and-learning-early-years-foundation-stage.html>

[39]

'Number Theory Index'. [Online]. Available: http://www-history.mcs.st-andrews.ac.uk/Indexes/Number_Theory.html

[40]

'Conservation of number task'. [Online]. Available:
<http://www.youtube.com/watch?v=19qM4OoV59U>

[41]

'Interactivate: Tessellate!' [Online]. Available:
<http://www.shodor.org/interactivate/activities/Tessellate/>

[42]

'Symmetry Game'. [Online]. Available:
http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp

[43]

'Pre-school Math'. [Online]. Available:
<http://math.about.com/od/reference/a/preschool.htm>

[44]

'Cool Math 4 Kids Free Online Subtraction Lessons, Games, Activities and Flash Cards to Print (Printable)'. [Online]. Available:
<http://www.coolmath4kids.com/subtraction/index.html>

[45]

'Mr Duey - Fractions Official Video - TeacherTube'. [Online]. Available:
http://www.teachertube.com/viewVideo.php?video_id=24266

[46]

'Teachers TV: Negative Numbers 1 - Resources - TES'. [Online]. Available:
<https://www.youtube.com/watch?v=nbsEikxHeOE>

[47]

'Teachers TV: Negative Numbers 2 - Resources - TES'. [Online]. Available:
<https://www.youtube.com/watch?v=T789mXx4l48>

[48]

'Year 6 - A Lesson in Subtraction as a Confidence Builder'. [Online]. Available:
<https://www.youtube.com/watch?v=X0jZe3vgTB0>

[49]

'Multiplication Fun Facts 1 - TeacherTube'. [Online]. Available:
http://www.teachertube.com/viewVideo.php?video_id=136266&title=Multiplication_Fun_Facts_1

[50]

'Year 4 - Observing a Lesson on Times Tables'. [Online]. Available:
<https://www.youtube.com/watch?v=4crhtd3wbdM>

[51]

'Method in Multiplying Madness? : nrich.maths.org'. [Online]. Available:
<http://nrich.maths.org/5612>

[52]

'A Problem Is Only a Problem When You Can't Do It : nrich.maths.org'. [Online]. Available:
<http://nrich.maths.org/5738>

[53]

'Problems on nrich'. [Online]. Available: <http://nrich.maths.org>

[54]

'Year 5 - Problem Solving and Building Confidence'. [Online]. Available:

<http://www.teachersmedia.co.uk/videos/year-5-problem-solving-and-building-confidence>

[55]

'Where Next for Primary Assessment?' [Online]. Available:
<http://www.teachersmedia.co.uk/videos/where-next-for-primary-assessment>

[56]

'Problem Solving with George Polya'. [Online]. Available:
<http://www.youtube.com/watch?v=uCS7GO0fkc4>

[57]

'KS1/2 Maths - Just Division | Teachfind'. [Online]. Available:
https://www.youtube.com/watch?v=_K-GHO8D9gY

[58]

'KS1/2 Maths - Just Division | Teachfind'. [Online]. Available:
<https://www.youtube.com/watch?v=fYQ-8rWOZPw>

[59]

'Problem solving on Teachersmedia'. [Online]. Available:
<https://www.youtube.com/watch?v=OcliYaCncN0>

[60]

'Maths - Measure Teaching Ideas'. [Online]. Available:
<https://www.teachingideas.co.uk/subjects/measure>

[61]

'UK Shoe Sizes Explanation & History'. [Online]. Available:
<http://www.internationalshoesizes.com/uk-shoe-sizes.htm>

[62]

'How Big is a foot?' [Online]. Available: <http://www.youtube.com/watch?v=bWhWL1MET7A>

[63]

'Teaching Time - Telling the time made fun!' [Online]. Available: <http://www.teachingtime.co.uk/>

[64]

'Mass vs. Weight: Introduction'. [Online]. Available: <http://www.youtube.com/watch?v=gjfLI7aJKmQ>

[65]

'Maths - Number Patterns Teaching Ideas'. [Online]. Available: http://www.teachingideas.co.uk/maths/contents_nopatterns.htm

[66]

'Early algebra - Thinkmath'. [Online]. Available: http://thinkmath.edc.org/index.php/Early_algebra

[67]

'Triangular Numbers'. [Online]. Available: <http://www.mathematische-basteleien.de/triangularnumber.htm>

[68]

'BBC - Schools - Teachers - Maths - KS1 lesson plans'. [Online]. Available: http://www.bbc.co.uk/schools/teachers/ks1_lessonplans/maths/index.shtml

[69]

'Algebra - What's the Pattern? | SchoolsWorld'. [Online]. Available: <http://www.schoolsworld.tv/node/3358>

[70]

'GCSE Maths Sequences Revision - The nth Term | S-cool, the revision website'. [Online]. Available: <http://www.s-cool.co.uk/gcse/maths/sequences/revise-it/the-nth-term>

[71]

'Primary Resources: Maths: Measures, Shape & Space: 2-D and 3-D Shape'. [Online]. Available: <http://www.primaryresources.co.uk/maths/mathsE3.htm>

[72]

'KS1/2 Maths - Learning Maths with Kyane'. [Online]. Available: <https://www.youtube.com/watch?v=MU67i9dXvpM>

[73]

'Shape and Space'. [Online]. Available: <https://www.youtube.com/watch?v=MrTO6pjuzVw>

[74]

'Maths - A Lesson on Shapes'. [Online]. Available: <http://archive.teachfind.com/ttv/www.teachers.tv/videos/uncut-classrooms-maths-a-lesson-on-shapes.html>

[75]

'Interactivate: Tessellate!' [Online]. Available: <http://www.shodor.org/interactivate/activities/Tessellate/>

[76]

'Symmetry Game'. [Online]. Available: http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_ga

me.asp

[77]

'3D Awareness'. [Online]. Available: <http://www.teachersmedia.co.uk/videos/3d-awareness>

[78]

'Maths - Data Handling Teaching Ideas'. [Online]. Available: http://www.teachingideas.co.uk/maths/contents_datahandling.htm

[79]

'Data Handling'. [Online]. Available: <https://www.youtube.com/watch?v=8JvtJkTAhec>

[80]

'Maths Search : nrich.maths.org'. [Online]. Available: [http://nrich.maths.org/public/search.php?search=carroll diagrams](http://nrich.maths.org/public/search.php?search=carroll%20diagrams)

[81]

'Maths Search : nrich.maths.org'. [Online]. Available: [http://nrich.maths.org/public/search.php?search=bar charts](http://nrich.maths.org/public/search.php?search=bar%20charts)

[82]

'Monthly Index page:: All Stages : nrich.maths.org'. [Online]. Available: <http://nrich.maths.org/thismonth/all/2002/05/?showfulltier=yes>

[83]

'Monthly Index page:: All Stages : nrich.maths.org'. [Online]. Available: <http://nrich.maths.org/thismonth/all/2003/06/?showfulltier=yes>

[84]

'Primary ICT - Numeracy - Handling Data'. [Online]. Available:
<http://archive.teachfind.com/ttv/www.teachers.tv/videos/primary-ict-numeracy-interpreting-data.html>

[85]

D. Haylock, 'Creativity in Maths'. [Online]. Available:
<http://www.uk.sagepub.com/haylock/podcast.htm>

[86]

'The UK needs a revolution in the way maths is taught. Here's why... | Education | The Observer'. [Online]. Available:
<http://www.theguardian.com/education/2014/feb/23/maths-teaching-revolution-needed-conrad-wolfram>

[87]

'Dan Meyer: Math class needs a makeover | Video on TED.com'. [Online]. Available:
http://www.ted.com/talks/lang/en/dan_meyer_math_curriculum_makeover.html