

# Maths 1 (DUMF1013)

[View Online](#)

---

1.

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

2.

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

3.

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

4.

Gates P, NetLibrary, Inc. Issues in mathematics teaching [Internet]. Vol. Issues in subject teaching. London: Routledge/Falmer; 2001. Available from: <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, Thomson Gale (Firm). Teaching children

mathematics. 1994;

6.

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

7.

BBC. BBC - Schools Ages 4-11 - Numeracy Sites [Internet]. Available from: [https://www.bbc.co.uk/schools/websites/4\\_11/site/numeracy.shtml](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 [Internet]. Available from: <http://www.educationscotland.gov.uk/>

9.

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

10.

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

11.

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

12.

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

13.

Children's mathematics journals. Available from:

<https://ezproxy.lib.gla.ac.uk/login?url=https://link.gale.com/apps/pub/0EKD/AONE?u=glasuni&sid=bookmark-AONE>

14.

BBC - Schools Ages 4-11 - Numeracy Sites [Internet]. Available from:

[https://www.bbc.co.uk/schools/websites/4\\_11/site/numeracy.shtml](https://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml)

15.

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

16.

Numeracy across learning - Responsibility of all - Learning, teaching and assessment [Internet]. Available from:

<http://www.educationscotland.gov.uk/learningteachingandassessment/learningacrossthecurriculum/responsibilityofall/numeracy/>

17.

Mathematics - Curriculum areas - Learning, teaching and assessment [Internet]. Available from:

<http://www.educationscotland.gov.uk/learningteachingandassessment/curriculumareas/mathematics/>

18.

Numeracy - Wikipedia, the free encyclopedia [Internet]. Available from:

<http://en.wikipedia.org/wiki/Numeracy>

19.

Thompson I. Numeracy articles [Internet]. Available from:

[http://www.ianthompson.pi.dsl.pipex.com/index\\_files/Page352.htm](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 [Internet]. Available from: <http://www.amathsdictionaryforkids.com/>

21.

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

22.

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

23.

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

24.

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

25.

Maths BetterExplained [Internet]. Available from: <http://betterexplained.com/archives/>

26.

Thompson I, Dawson Books. Enhancing primary mathematics teaching [Internet]. Maidenhead: Open University Press; 2003. Available from: <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.

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

28.

BBC News - New insight into how children learn maths [Internet]. Available from:  
<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 [Internet]. Available from:  
[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](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.' [Internet]. Available from:  
<https://www.bbc.co.uk/programmes/p00fgfl8>

31.

KS1 Numeracy - Understanding Place Value | Teachfind [Internet]. Available from:  
[http://teachfind.com/teachers-tv/ks1-numeracy-understanding-place-value?current\\_search=understanding%20place%20value](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 [Internet]. Available from:  
<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.

Fuson KC, Grandau L, Sugiyama PA. Achievable Numerical Understandings for All Young Children. Teaching Children Mathematics [Internet]. 2001;7(9). Available from: <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 [Internet]. Available from: <http://www.bbc.co.uk/learningzone/clips/the-history-of-place-values-and-index-notation/13585.html>

35.

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

36.

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

37.

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

38.

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

39.

Number Theory Index [Internet]. Available from: [http://www-history.mcs.st-andrews.ac.uk/Indexes/Number\\_Theory.html](http://www-history.mcs.st-andrews.ac.uk/Indexes/Number_Theory.html)

40.

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

41.

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

42.

Symmetry Game [Internet]. Available from:  
[http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape\\_game.asp](http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp)

43.

Pre-school Math [Internet]. Available from:  
<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) [Internet]. Available from:  
<http://www.coolmath4kids.com/subtraction/index.html>

45.

Mr Duey - Fractions Official Video - TeacherTube [Internet]. Available from:  
[http://www.teachertube.com/viewVideo.php?video\\_id=24266](http://www.teachertube.com/viewVideo.php?video_id=24266)

46.

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

47.

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

48.

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

49.

Multiplication Fun Facts 1 - TeacherTube [Internet]. Available from: [http://www.teachertube.com/viewVideo.php?video\\_id=136266&title=Multiplication\\_Fun\\_Facts\\_1](http://www.teachertube.com/viewVideo.php?video_id=136266&title=Multiplication_Fun_Facts_1)

50.

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

51.

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

52.

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

53.

Problems on nrich [Internet]. Available from: <http://nrich.maths.org>

54.

Year 5 - Problem Solving and Building Confidence [Internet]. Available from:



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

55.

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

56.

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

57.

KS1/2 Maths - Just Division | Teachfind [Internet]. Available from:  
[https://www.youtube.com/watch?v=\\_K-GHO8D9gY](https://www.youtube.com/watch?v=_K-GHO8D9gY)

58.

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

59.

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

60.

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

61.

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

62.

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

63.

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

64.

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

65.

Maths - Number Patterns Teaching Ideas [Internet]. Available from:  
[http://www.teachingideas.co.uk/maths/contents\\_nopatterns.htm](http://www.teachingideas.co.uk/maths/contents_nopatterns.htm)

66.

Early algebra - Thinkmath [Internet]. Available from:  
[http://thinkmath.edc.org/index.php/Early\\_algebra](http://thinkmath.edc.org/index.php/Early_algebra)

67.

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

68.

BBC - Schools - Teachers - Maths - KS1 lesson plans [Internet]. Available from:  
[http://www.bbc.co.uk/schools/teachers/ks1\\_lessonplans/maths/index.shtml](http://www.bbc.co.uk/schools/teachers/ks1_lessonplans/maths/index.shtml)

69.

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

70.

GCSE Maths Sequences Revision - The nth Term | S-cool, the revision website [Internet]. Available from: <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 [Internet]. Available from: <http://www.primaryresources.co.uk/maths/mathsE3.htm>

72.

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

73.

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

74.

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

75.

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

76.

Symmetry Game [Internet]. Available from:  
[http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape\\_ga](http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_ga)

me.asp

77.

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

78.

Maths - Data Handling Teaching Ideas [Internet]. Available from:  
[http://www.teachingideas.co.uk/maths/contents\\_datahandling.htm](http://www.teachingideas.co.uk/maths/contents_datahandling.htm)

79.

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

80.

Maths Search : nrich.maths.org [Internet]. Available from:  
[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 [Internet]. Available from:  
[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 [Internet]. Available from:  
<http://nrich.maths.org/thismonth/all/2002/05/?showfulltier=yes>

83.

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

84.

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

85.

Haylock D. Creativity in Maths [Internet]. Available from:  
<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 [Internet]. Available from:  
<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 [Internet]. Available from:  
[http://www.ted.com/talks/lang/en/dan\\_meyer\\_math\\_curriculum\\_makeover.html](http://www.ted.com/talks/lang/en/dan_meyer_math_curriculum_makeover.html)