

Maths 1 (DUMF1013)

[View Online](#)

1.

Haylock, D.: Understanding mathematics for young children: A guide for teachers of children 3-7, 14. SAGE Publications, London (2017).

2.

Thompson, I.: Issues In Teaching Numeracy In Primary Schools. Open University (1999).

3.

Cockburn, Anne, Dawson Books: Mathematical understanding 5-11: practical ideas from and for the primary classroom. Paul Chapman, London (2007).

4.

Haylock, Derek, Thangata, Fiona, Dawson Books: Key concepts in teaching primary mathematics. SAGE Publications, Los Angeles, CA (2007).

5.

Gates, P., NetLibrary, Inc: Issues in mathematics teaching. Routledge/Falmer, London (2001).

6.

National Council of Teachers of Mathematics, Thomson Gale (Firm): Teaching children mathematics. (1994).

7.

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

8.

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

9.

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

10.

Teaching Ideas: Maths - General Teaching Ideas,
<http://www.teachingideas.co.uk/maths/contents.htm>.

11.

Math is Fun - Maths Resources, <http://www.mathsisfun.com/>.

12.

Education videos and resources for professional development,
<http://www.teachers-media.com/>.

13.

Education Outcomes of Computer-Based Maths,
<http://computerbasedmath.org/materials/math-education-outcomes.php#detailed-view-am>

14.

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

15.

Children's mathematics journals.

16.

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

17.

Math is Fun - Maths Resources, <http://www.mathsisfun.com/>.

18.

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

19.

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

20.

Numeracy - Wikipedia, the free encyclopedia, <http://en.wikipedia.org/wiki/Numeracy>.

21.

Thompson, I.: Numeracy articles,
http://www.ianthompson.pi.dsl.pipex.com/index_files/Page352.htm.

22.

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

23.

Assignment video 1, <http://www.teachersmedia.co.uk/videos/ks1-ks2-maths-making-maths-real>.

24.

Assignment video 2, <http://www.teachersmedia.co.uk/videos/calculation>.

25.

Assignment video 3, <http://www.teachersmedia.co.uk/videos/measures>.

26.

Assignment video 4, <http://www.teachersmedia.co.uk/videos/ks1-ks2-maths-problem-solving-1>.

27.

Maths BetterExplained, <http://betterexplained.com/archives/>.

28.

Thompson, I., Dawson Books: Enhancing primary mathematics teaching. Open University Press, Maidenhead (2003).

29.

Thompson, I.: Enhancing primary mathematics teaching. Open University Press,

Maidenhead (2003).

30.

BBC News - New insight into how children learn maths,
<https://www.bbc.co.uk/news/health-26643823>.

31.

Growth Mindset: How to Normalize Mistake Making and Struggle in Class | GROWTH MINDSET | MindShift | KQED News,
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.

32.

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

33.

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

34.

Reading How Do We Teach Children To Be Numerate? British Educational Lesson Plan Teach Ordering Numbers,
<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/>.

35.

Fuson, K.C., Grandau, L., Sugiyama, P.A.: Achievable Numerical Understandings for All Young Children. Teaching Children Mathematics. 7, (2001).

36.

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

37.

Conversion of integers between integer bases,
<http://www.mathpath.org/concepts/Num/conv.htm>.

38.

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

39.

Number Theory Index,
http://www-history.mcs.st-andrews.ac.uk/Indexes/Number_Theory.html.

40.

Conservation of number task, <http://www.youtube.com/watch?v=19qM4OoV59U>.

41.

Interactivate: Tessellate!, <http://www.shodor.org/interactivate/activities/Tessellate/>.

42.

Symmetry Game,
http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp.

43.

(28) Teachers TV: Fun with Maths - YouTube,
<https://www.youtube.com/watch?v=rdIVtTsVPmo>.

44.

(28) Teachers TV: Year 3 - All about Numbers - YouTube,
<https://www.youtube.com/watch?v=hIYKWCCqpZA>.

45.

Pre-school Math, <http://math.about.com/od/reference/a/preschool.htm>.

46.

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

47.

Mr Duey - Fractions Official Video - TeacherTube,
http://www.teachertube.com/viewVideo.php?video_id=24266.

48.

Teachers TV: Negative Numbers 1 - Resources - TES,
<https://www.youtube.com/watch?v=nbsEikxHeOE>.

49.

Teachers TV: Negative Numbers 2 - Resources - TES,
<https://www.youtube.com/watch?v=T789mXx4I48>.

50.

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

51.

Multiplication Fun Facts 1 - TeacherTube,
http://www.teachertube.com/viewVideo.php?video_id=136266&title=Multiplication_Fun_Facts_1.

52.

Year 4 - Observing a Lesson on Times Tables,
<https://www.youtube.com/watch?v=4crhtd3wbdM>.

53.

Method in Multiplying Madness? : nrich.maths.org, <http://nrich.maths.org/5612>.

54.

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

55.

Problems on nrich, <http://nrich.maths.org>.

56.

Year 5 - Problem Solving and Building Confidence,
<http://www.teachersmedia.co.uk/videos/year-5-problem-solving-and-building-confidence>.

57.

Where Next for Primary Assessment?,
<http://www.teachersmedia.co.uk/videos/where-next-for-primary-assessment>.

58.

Problem Solving with George Polya, <http://www.youtube.com/watch?v=uCS7GO0fkc4>.

59.

KS1/2 Maths - Just Division | Teachfind, https://www.youtube.com/watch?v=_K-GHO8D9gY.

60.

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

61.

Problem solving on Teachersmedia, <https://www.youtube.com/watch?v=OcliYaCncN0>.

62.

Maths - Measure Teaching Ideas, <https://www.teachingideas.co.uk/subjects/measure>.

63.

UK Shoe Sizes Explanation & History,
<http://www.internationalshoesizes.com/uk-shoe-sizes.htm>.

64.

How Big is a foot?, <http://www.youtube.com/watch?v=bWhWL1MET7A>.

65.

Teaching Time - Telling the time made fun!, <http://www.teachingtime.co.uk/>.

66.

Mass vs. Weight: Introduction, <http://www.youtube.com/watch?v=gjfLI7aJKmQ>.

67.

Maths - Number Patterns Teaching Ideas,
http://www.teachingideas.co.uk/maths/contents_nopatterns.htm.

68.

Early algebra - Thinkmath, http://thinkmath.edc.org/index.php/Early_algebra.

69.

Triangular Numbers, <http://www.mathematische-basteleien.de/triangularnumber.htm>.

70.

BBC - Schools - Teachers - Maths - KS1 lesson plans,
http://www.bbc.co.uk/schools/teachers/ks1_lessonplans/maths/index.shtml.

71.

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

72.

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

73.

Math is the hidden secret to understanding the world | Roger Antonsen - YouTube,
<https://www.youtube.com/watch?v=ZQElzjCsl9o>.

74.

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

75.

KS1/2 Maths - Learning Maths with Kyane,
<https://www.youtube.com/watch?v=MU67i9dXvpM>.

76.

Shape and Space, <https://www.youtube.com/watch?v=MrTO6pjuzVw>.

77.

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

78.

Interactivate: Tessellate!, <http://www.shodor.org/interactivate/activities/Tessellate/>.

79.

Symmetry Game,
http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp.

80.

3D Awareness, <http://www.teachersmedia.co.uk/videos/3d-awareness>.

81.

Maths - Data Handling Teaching Ideas,
http://www.teachingideas.co.uk/maths/contents_datahandling.htm.

82.

Data Handling, <https://www.youtube.com/watch?v=8JvtJkTAhec>.

83.

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

84.

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

85.

Monthly Index page:: All Stages : nrich.maths.org,
<http://nrich.maths.org/thismonth/all/2002/05/?showfulltier=yes>.

86.

Monthly Index page:: All Stages : nrich.maths.org,
<http://nrich.maths.org/thismonth/all/2003/06/?showfulltier=yes>.

87.

Primary ICT - Numeracy - Handling Data,
[http://archive.teachfind.com/ttv/www.teachers.tv/videos/primary-ict-numeracy-interpreting -data.html](http://archive.teachfind.com/ttv/www.teachers.tv/videos/primary-ict-numeracy-interpreting-data.html).

88.

Haylock, D.: Creativity in Maths, <http://www.uk.sagepub.com/haylock/podcast.htm>.

89.

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

90.

Dan Meyer: Math class needs a makeover | Video on TED.com,
http://www.ted.com/talks/lang/en/dan_meyer_math_curriculum_makeover.html.

91.

Year 6 - A Lesson in Subtraction as a Confidence Builder,
<http://www.teachers-media.com/videos/year-6-a-lesson-in-subtraction-as-a-confidence-builder>.

92.

A Guide to Early Years and Primary Teaching,
<https://study.sagepub.com/wyseandrogers/student-resources/chapter-4/podcast>.