

EDS011-3: Mathematical Problem Solving

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1.

Mason, John, Burton, Leone, & Stacey, Kaye. Thinking Mathematically. (Pearson, Harlow, 2010).

2.

Haylock, Derek & Manning, Ralph. Mathematics Explained for Primary Teachers. (Sage Publications, London, 2014).

3.

Haylock, D. & Manning, R. Key processes in mathematical reasoning. in Mathematics explained for primary teachers 37–51 (Sage Publications, London, 2014).

4.

Askew, M. Chapter 7: Word problems: Cinderellas or wicked witches? in Enhancing primary mathematics teaching and learning 78–85 (Open University Press, England, 2003).

5.

Askew, M. Transforming Primary Mathematics: Understanding Classroom Tasks, Tools, and Talk. (Routledge, Abingdon, Oxon, 2016).

6.

Askew, Mike. Transforming Primary Mathematics. (Routledge, London, 2012).

7.

Barmby, Patrick, Bolden, David & Thompson, Lynn. Understanding and Enriching Problem Solving in Primary Mathematics. vol. Critical teaching (Critical Publishing, St Albans, 2014).

8.

Barmby, Patrick, Bolden, David & Thompson, Lynn. Understanding and Enriching Problem Solving in Primary Mathematics. vol. Critical teaching (Critical Publishing, Northwich, 2014).

9.

Barmby, Patrick & Bilsborough, Lynn. Primary Mathematics: Teaching for Understanding. (Open University Press, Maidenhead, England, 2009).

10.

Briggs, Mary. Teaching and Learning Early Years Mathematics: Subject and Pedagogic Knowledge. vol. Critical teaching (Critical Publishing, Northwich, 2013).

11.

Cotton, T. Understanding and Teaching Primary Mathematics. (Routledge, Abingdon, Oxon, 2016).

12.

Fox, Sue & Surtees, Liz. Mathematics across the Curriculum: Problem-Solving, Reasoning, and Numeracy in Primary Schools. (Continuum International, London, 2010).

13.

Hansen, Alice & Drews, Doreen. Using Resources to Support Mathematical Thinking: Primary and Early Years. vol. Achieving QTS : practical handbooks (Learning Matters, Exeter, 2007).

14.

Haylock, D. & Cockburn, A. Understanding Mathematics for Young Children: A Guide for Teachers of Children 3-8. (SAGE, London, 2013).

15.

Hopkins, C., Pope, S. & Pepperell, S. Understanding Primary Mathematics. (David Fulton, London, 2004).

16.

Jones, L. Chapter 8: The problem with problem solving. in Enhancing primary mathematics teaching and learning 86–99 (Open University Press, England, 2003).

17.

McAteer, M. Improving Primary Mathematics Teaching and Learning. (Open University Press, Maidenhead, U.K, 2012).

18.

Montague-Smith, A., Price, A. & Montague-Smith, A. Mathematics in Early Years Education. (Routledge, London, 2012).

19.

Pólya, George & Sloan, Sam. How to Solve It: A New Aspect of Mathematical Method. (Ishi Press International, Bronx, NY, 2009).

20.

Whimbey, Arthur, Lochhead, Jack & Narode, Ronald. Problem Solving and Comprehension. (Routledge, New York, 2013).

21.

Wickelgren, Wayne A. How to Solve Mathematical Problems. (Dover, New York, 1995).

22.

Askew, Mike, Brown, Margaret, Wiliam, Dylan, Johnson, David & Rhodes, Valerie. Effective Teachers of Numeracy: Report of a Study Carried Out for the Teacher Training Agency. (1997).

23.

Bransford, John D. & Stein, Barry S. The Ideal Problem Solver: A Guide for Improving Thinking, Learning and Creativity. (W.H.Freeman, New York, 1993).

24.

Lumsdaine, Edward & Lumsdaine, Monika. Creative Problem Solving: Thinking Skills for a Changing World. vol. McGraw-Hill international editions (McGraw-Hill, London, 1995).

25.

Briggs, Mary, Hansen, Alice, McCullouch, Judith, Fletcher, Mike & Mooney, Claire. Primary Mathematics: Teaching Theory and Practice. vol. Achieving QTS. (Learning Matters, Los Angeles, 2014).

26.

Mooney, Claire, Hansen, Alice, Ferrie, Lindsey & Wrathmell, Reg. Primary Mathematics: Knowledge and Understanding. vol. Achieving QTS. (Learning Matters, Los Angeles, 2014).

27.

Mathematics teaching.

28.

Mathematics in school.

29.

Primary mathematics.

30.

Department for Education. Curriculum and qualifications.

<https://www.gov.uk/schools-colleges-childrens-services/curriculum-qualifications> (2015).

31.

British Society for Research into Learning Mathematics. <http://www.bsrlm.org.uk/>.

32.

Advisory Committee on Mathematics Education - ACME.

<https://royalsociety.org/about-us/committees/advisory-committee-on-mathematics-education-on-acme-5/>.

33.

DISCOVER (Resource Discovery Platform). <http://lrweb.beds.ac.uk/discover>.

34.

Education Databases. <https://lrweb.beds.ac.uk/education/using/>.