

EDS011-3: Mathematical Problem Solving

[View Online](#)

1.

Mason, John, Burton, Leone, Stacey, Kaye. Thinking mathematically [Internet]. 2nd ed. Harlow: Pearson; 2010. Available from:
<https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9780273728924>

2.

Haylock, Derek, Manning, Ralph. Mathematics explained for primary teachers. 5th edition. London: Sage Publications; 2014.

3.

Haylock D, Manning R. Key processes in mathematical reasoning. In: Mathematics explained for primary teachers [Internet]. 5th edition. London: Sage Publications; 2014. p. 37–51. Available from:
<https://contentstore.cla.co.uk/secure/link?id=4eba50d6-b5b7-e611-80c7-005056af4099>

4.

Askew, M. Chapter 7: Word problems: Cinderellas or wicked witches? In: Enhancing primary mathematics teaching and learning [Internet]. England: Open University Press; 2003. p. 78–85. Available from:
<http://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9780335228065>

5.

Askew M. Transforming primary mathematics: understanding classroom tasks, tools, and

talk [Internet]. Updated and revised edition. Abingdon, Oxon: Routledge; 2016. Available from:
<https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781315667256>

6.

Askew, Mike. Transforming primary mathematics [Internet]. London: Routledge; 2012. Available from: <http://library.beds.ac.uk/record=b1492217~S20>

7.

Barmby, Patrick, Bolden, David, Thompson, Lynn. Understanding and enriching problem solving in primary mathematics [Internet]. Vol. Critical teaching. St Albans: Critical Publishing; 2014. Available from:
<https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781909330719>

8.

Barmby, Patrick, Bolden, David, Thompson, Lynn. Understanding and enriching problem solving in primary mathematics [Internet]. Vol. Critical teaching. Northwich: Critical Publishing; 2014. Available from:
<http://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781909330726>

9.

Barmby, Patrick, Bilsborough, Lynn. Primary mathematics: teaching for understanding [Internet]. Maidenhead, England: Open University Press; 2009. Available from:
<https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9780335239115>

10.

Briggs, Mary. Teaching and learning early years mathematics: subject and pedagogic knowledge [Internet]. Vol. Critical teaching. Northwich: Critical Publishing; 2013. Available from:
<https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781909330399>

11.

Cotton T. Understanding and teaching primary mathematics [Internet]. Third edition. Abingdon, Oxon: Routledge; 2016. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781315695525>

12.

Fox, Sue, Surtees, Liz. Mathematics across the curriculum: problem-solving, reasoning, and numeracy in primary schools [Internet]. London: Continuum International; 2010. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781441198150>

13.

Hansen, Alice, Drews, Doreen. Using resources to support mathematical thinking: primary and early years [Internet]. Vol. Achieving QTS : practical handbooks. Exeter: Learning Matters; 2007. Available from: <https://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781844457960>

14.

Haylock D, Cockburn A. Understanding mathematics for young children: a guide for teachers of children 3-8 [Internet]. 4th ed. London: SAGE; 2013. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781446276440>

15.

Hopkins C, Pope S, Pepperell S. Understanding primary mathematics [Internet]. London: David Fulton; 2004. Available from: <http://library.beds.ac.uk/record=b1607608~S20>

16.

Jones, L. Chapter 8: The problem with problem solving. In: Enhancing primary mathematics teaching and learning [Internet]. England: Open University Press; 2003. p. 86–99. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9780335228065>

17.

McAteer M. Improving primary mathematics teaching and learning [Internet]. Maidenhead, U.K: Open University Press; 2012. Available from: <http://library.beds.ac.uk/record=b1597584~S20>

18.

Montague-Smith A, Price A, Montague-Smith A. Mathematics in early years education [Internet]. 3rd ed. London: Routledge; 2012. Available from: <http://library.beds.ac.uk/record=b1605819~S20>

19.

Pólya, George, Sloan, Sam. How to solve it: a new aspect of mathematical method [Internet]. 2nd ed. Bronx, NY: Ishi Press International; 2009. Available from: <http://ebookcentral.proquest.com/lib/bedfordshire/detail.action?docID=767228>

20.

Whimbey, Arthur, Lochhead, Jack, Narode, Ronald. Problem solving and comprehension [Internet]. 7th ed. New York: Routledge; 2013. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9781136475221>

21.

Wickelgren, Wayne A. How to solve mathematical problems. New York: Dover; 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 [Internet]. 1997. Available from: <http://www.leeds.ac.uk/educol/documents/000000385.htm>

23.

Bransford, John D., Stein, Barry S. The ideal Problem Solver: a guide for improving thinking, learning and creativity. 2nd ed. New York: W.H.Freeman; 1993.

24.

Lumsdaine, Edward, Lumsdaine, Monika. Creative problem solving: thinking skills for a changing world. [New ed.]. Vol. McGraw-Hill international editions. London: McGraw-Hill; 1995.

25.

Briggs, Mary, Hansen, Alice, McCullouch, Judith, Fletcher, Mike, Mooney, Claire. Primary mathematics: teaching theory and practice. Seventh edition. Vol. Achieving QTS. Los Angeles: Learning Matters; 2014.

26.

Mooney, Claire, Hansen, Alice, Ferrie, Lindsey, Wrathmell, Reg. Primary mathematics: knowledge and understanding. Seventh edition. Vol. Achieving QTS. Los Angeles: Learning Matters; 2014.

27.

Mathematics teaching. Available from:
<https://publications.ebsco.com/details/47589?custId=s5099118&groupId=main&profileId=pfui>

28.

Mathematics in school. Available from:
<https://shibbolethsp.jstor.org/start?entityID=https%3A%2F%2Fidp.beds.ac.uk%2Fentity&site=jstor&dest=https://www.jstor.org/action/showPublication?journalCode=mathschool>

29.

Primary mathematics.

30.

Department for Education. Curriculum and qualifications [Internet]. 2015. Available from: <https://www.gov.uk/schools-colleges-childrens-services/curriculum-qualifications>

31.

British Society for Research into Learning Mathematics [Internet]. Available from: <http://www.bsrlm.org.uk/>

32.

Advisory Committee on Mathematics Education - ACME [Internet]. Available from: <https://royalsociety.org/about-us/committees/advisory-committee-on-mathematics-education-on-acme-5/>

33.

DISCOVER (Resource Discovery Platform) [Internet]. Available from: <http://lrweb.beds.ac.uk/discover>

34.

Education Databases [Internet]. Available from: <https://lrweb.beds.ac.uk/education/using/>