

EDS011-3: Mathematical Problem Solving

[View Online](#)

[1]

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

[2]

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

[3]

D. Haylock and R. Manning, 'Key processes in mathematical reasoning', in Mathematics explained for primary teachers, 5th edition. London: Sage Publications, 2014, pp. 37-51. Available:
<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, England: Open University Press, 2003, pp. 78-85. Available:
<http://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9780335228065>

[5]

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

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

[6]

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

[7]

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

[8]

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

[9]

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

[10]

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

[11]

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

[12]

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

[13]

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

[14]

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

[15]

C. Hopkins, S. Pope, and S. Pepperell, Understanding primary mathematics. London: David Fulton, 2004. Available: <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, England: Open University Press, 2003, pp. 86-99. Available:
<http://www.vlebooks.com/vleweb/product/openreader?id=BedsUni&isbn=9780335228065>

[17]

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

[18]

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

[19]

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

[20]

Whimbey, Arthur, Lochhead, Jack, and Narode, Ronald, Problem solving and comprehension, 7th ed. New York: Routledge, 2013. Available: <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, and Rhodes, Valerie, 'Effective Teachers of Numeracy: Report of a Study Carried Out for the Teacher Training Agency'. 1997. Available: <http://www.leeds.ac.uk/educol/documents/000000385.htm>

[23]

Bransford, John D. and 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 and 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, and 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, and Wrathmell, Reg, Primary mathematics: knowledge and understanding, Seventh edition., vol. Achieving QTS. Los Angeles: Learning Matters, 2014.

[27]

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

[28]

'Mathematics in school', Available:
<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', 2015. Available:

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

[31]

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

[32]

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

[33]

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

[34]

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