## Extending mathematical understanding and pedagogy (Semester 1 and 2)



Askew, Mike. A Practical Guide to Transforming Primary Mathematics: Activities and Tasks That Really Work. London: Routledge, Taylor & Francis Group, 2016.

———. Transforming Primary Mathematics: Understanding Classroom Tasks, Tools and Talk . Updated and Revised edition. London: Routledge, 2016. https://www-taylorfrancis-com.oxfordbrookes.idm.oclc.org/books/mono/10.4324/97813156 67256/transforming-primary-mathematics-mike-askew.

Askew, Mike, Margaret Brown, Valerie Rhodes, Dylan Wiliam, and David Johnson. 'The Contribution of Professional Development to Effectiveness in the Teaching of Numeracy'. Teacher Development 1, no. 3 (1997): 335–56. https://doi.org/10.1080/13664539700200030.

Barmby, Patrick. Primary Mathematics: Teaching for Understanding. Maidenhead: Open University Press, 2009.

Barmby, Patrick, Bolden, David, and Thompson, Lynn. Understanding and Enriching Problem Solving in Primary Mathematics. Vol. Critical teaching. St Albans: Critical Publishing, 2014.

Barwell, Richard. Multilingualism in Mathematics Classrooms: Global Perspectives. Vol. Bilingual education&bilingualism. Bristol: Multilingual Matters, 2009. https://ebookcentral-proquest-com.oxfordbrookes.idm.oclc.org/lib/brookes/detail.action?doclD=543897.

'BBC - Schools Ages 4-11 - Numeracy Sites', n.d.

Bird, Ronit. The Dyscalculia Toolkit: Supporting Learning Difficulties in Maths. 3rd edition. London: Sage Publications, 2017.

Boaler, Jo, and Jo Boaler. The Elephant in the Classroom: Helping Children Learn and Love Maths. Revised and Updated paperback edition. London: Souvenir Press Ltd, 2015.

Briggs, Mary, and Sue Davis. Creative Teaching: Mathematics in the Primary Classroom. Second edition. London: Routledge, 2015. https://oxfordbrookes.on.worldcat.org/oclc/891658083.

Chinn, Stephen J. The Trouble with Maths: A Practical Guide to Helping Learners with Numeracy Difficulties. Fourth edition. Abingdon, Oxon: Routledge, Taylor & Francis Group, 2021.

https://www-taylorfrancis-com.oxfordbrookes.idm.oclc.org/books/mono/10.4324/97810030 17714/trouble-maths-steve-chinn.

Cockburn, Anne, and G. H. Littler. Mathematical Misconceptions: A Guide for Primary Teachers. London: SAGE, 2008.

Cotton, Tony. Understanding and Teaching: Primary Mathematics. Fourth edition. Abingdon: Routledge, 2021.

Cross, Alan, and Alison Borthwick. Connecting Primary Maths & Science: A Practical Approach. London: Open University Press, 2016.

Dowker, Ann. Mathematical Difficulties: Psychology and Intervention. Vol. Educational psychology series. London: Academic Press, 2008.

'Educational Studies in Mathematics', n.d. https://oxfordbrookes.on.worldcat.org/oclc/41559484.

English, Richard. Maths and ICT in the Primary School: A Creative Approach. London: David Fulton, 2006.

'For the Learning of Mathematics: An International Journal of Mathematics Education', n.d. https://oxfordbrookes.on.worldcat.org/oclc/7805838.

Hansen, Alice, ed. Children's Errors in Mathematics. Fifth edition. London: Learning Matters, 2020.

Hansen, Alice and Vaukins, Diane. Primary Mathematics across the Curriculum. 2nd ed. Vol. Transforming primary QTS. London: Learning Matters, 2012.

Haylock, Derek, and Anne Cockburn. Understanding Mathematics for Young Children: A Guide for Teachers of Children 3-7. 5th edition. London: SAGE, 2017.

'IEJME-Mathematics Education', n.d. https://www.iejme.com/?p=113.

'International Journal for Mathematics Teaching and Learning', n.d. https://www.cimt.org.uk/ijmtl/index.php/IJMTL/issue/view/10.

Jackson, Elizabeth. Reflective Primary Mathematics: A Guide for Student Teachers. Los Angeles: SAGE, 2015.

Jain, Pinky, and Rosalyn Hyde, eds. Myths and Legends of Mastery in the Mathematics Curriculum. London: Learning Matters, 2019.

Jenny Eather. 'A Maths Dictionary for Kids', 2014.

Koshy, Valsa. Teaching Mathematics to Able Children. London: David Fulton, 2001. https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9780203065198&uid=^u.

Maloney, Erin A., and Sian L. Beilock. 'Math Anxiety: Who Has It, Why It Develops, and How

to Guard against It'. Trends in Cognitive Sciences 16, no. 8 (2012): 404–6. https://doi.org/10.1016/j.tics.2012.06.008.

Mason, John, Leone Burton, and Kaye Stacey. Thinking Mathematically. 2nd ed. Harlow: Prentice Hall, 2010.

https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9780273728924&uid=^u.

'Mathematics in School', n.d.

'Mathematics Teaching', n.d. https://oxfordbrookes.on.worldcat.org/oclc/60618574.

'Mathematics Teaching and Learning Support ☐ ATM', n.d.

McAteer, Mary (Ed). Improving Primary Mathematics Teaching and Learning. Edited by McAteer, Mary. Maidenhead: McGraw Hill Open University Press, 2012. https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9780335246779&uid=^u.

McGrath, Caroline. Supporting Early Mathematical Development: Practical Approaches to Play-Based Learning. London: Routledge, 2010.

Montague-Smith, Ann, Tony Cotton, Alice Hansen, and Alison Price. Mathematics in Early Years Education. Fourth edition. London: Routledge, 2018. https://oxfordbrookes.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=1602227&site=ehost-live.

Mooney, Claire, Mary Briggs, Alice Hansen, Judith McCullouch, and Mike Fletcher. Primary Mathematics: Teaching Theory and Practice. 8th edition. London: Learning Matters, an imprint of SAGE Publications, 2018.

National Association of Mathematics Advisers. 'Five Myths of Mastery in Mathematics'. Kidderminster: NAMA, 2015.

http://www.nama.org.uk/Downloads/Five%20Myths%20about%20Mathematics%20Mastery.pdf.

'National Centre for Excellence in the Teaching of Mathematics - NCETM', n.d.

National Council of Teachers of Mathematics. 'Journal for Research in Mathematics Education', 1970.

Newell, Robert. Big Ideas in Primary Mathematics. Second edition. London: SAGE Publications Ltd, 2021.

——. Big Ideas in Primary Mathematics. Second edition. London: SAGE Publications Ltd, 2021.

'NRICH', n.d.

Ofsted. 'Learning Outside the Classroom: How Far Should You Go?' Ofsted, 2008. http://dera.ioe.ac.uk/id/eprint/9253.

Oh, Brandon. Maths - No Problem!: Singapore Maths English National Curriculum 2014, Workbook 6A. Tunbridge Wells, UK: Maths - No Problem, 2015.

Oh, Brandon, Ban Har Yeap, and Anne Hermanson. Maths - No Problem!: Singapore Maths English National Curriculum 2014, 6B: Workbook. Tunbridge Wells, UK: Maths - No Problem, 2016.

——. Maths - No Problem!: Singapore Maths English National Curriculum 2014, Workbook 2A. Tunbridge Wells, UK: Maths - No Problem, 2017.

———. Maths - No Problem!: Singapore Maths English National Curriculum 2014, Workbook 2B. Tunbridge Wells, UK: Maths - No Problem, 2015.

Patrick Barmby, David Bolden, Stephanie Raine, and Lynn Thompson. 'Developing the Use of Visual Representations in the Primary Classroom'. London: Nuffield Foundation, 2013. http://www.nuffieldfoundation.org/sites/default/files/files/Developing%20the%20use%20of%20visual%20representations%20in%20the%20primary%20classroom%2013Jun13.pdf.

Pound, Linda, and Trisha Lee. Teaching Mathematics Creatively. Third edition. Abingdon, Oxon: Routledge, Taylor & Francis Group, 2022.

Rickard, Caroline. Essential Primary Mathematics. Maidenhead, Berkshire: Open University Press, 2013.

https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9780335247035&uid=^u.

Rowland, Tim. 'Chapter 2- Knowledge for Teaching Mathematics'. In Developing Primary Mathematics Teaching: Reflecting on Practice with the Knowledge Quartet, 18–40. London: Sage Publications, 2009.

https://sk-sage pub-com.ox for dbrookes.idm.oclc.org/books/developing-primary-mathematics-teaching/n2.xml.

———. 'Chapter 3: Transformation: Using and Understanding Representations in Mathematical Teaching'. In Developing Primary Mathematics Teaching: Reflecting on Practice with the Knowledge Quartet, 41–66. London: Sage Publications, 2009. https://sk-sagepub-com.oxfordbrookes.idm.oclc.org/books/developing-primary-mathematic s-teaching/n3.xml.

———. 'Chapter 5: Making Connections in Mathematics Teaching'. In Developing Primary Mathematics Teaching: Reflecting on Practice with the Knowledge Quartet, 101–24. London: Sage Publications, 2009.

https://sk-sagepub-com.oxfordbrookes.idm.oclc.org/books/developing-primary-mathematic s-teaching/n5.xml.

———. 'Chapter 6: Contingency: Tales of the Unexpected!' In Developing Primary Mathematics Teaching: Reflecting on Practice with the Knowledge Quartet, 123–51. London: Sage Publications, 2009.

https://sk-sagepub-com.oxfordbrookes.idm.oclc.org/books/developing-primary-mathematic s-teaching/n6.xml.

———. 'Chapter 7: Foundation Knowledge for Teaching Mathematics'. In Developing

Primary Mathematics Teaching: Reflecting on Practice with the Knowledge Quartet, 152–95. London: Sage Publications, 2009.

https://sk-sagepub-com.oxfordbrookes.idm.oclc.org/books/developing-primary-mathematic s-teaching/n7.xml.

Rowland, Tim, Fay Turner, Anne Thwaites, and Peter Huckstep. Developing Primary Mathematics Teaching: Reflecting on Practice with the Knowledge Quartet. London: SAGE, 2009.

https://sk-sagepub-com.oxfordbrookes.idm.oclc.org/books/developing-primary-mathematic s-teaching.

Skemp, Richard R. Mathematics in the Primary School. Vol. Subjects in the primary school. London: Routledge, 1989.

https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9780203403891&uid=^u.

Sousa, David A. How the Brain Learns Mathematics. Second edition. Thousand Oaks: Corwin, 2015.

Street, Brian V., Dave Baker, Alison Tomlin, and Leverhulme Numeracy Research Programme. Navigating Numeracies: Home/School Numeracy Practices. Vol. Multiple perspectives on attainment in numeracy. [Dordrecht: Springer, 2008. https://oxfordbrookes.idm.oclc.org/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=OxfBrookes&isbn=9781402036774&uid=^u.

'The Journal of Mathematical Behavior', n.d. https://oxfordbrookes.on.worldcat.org/oclc/223025400.

'The Mathematical Association', n.d.

Thompson, Ian. Issues in Teaching Numeracy in Primary Schools. Maidenhead: McGraw Hill Open University Press, 2010.

Turner, Sylvia. Teaching Primary Mathematics. London: SAGE, 2013.

Turner, Sylvia and McCullouch, Judith. Making Connections in Primary Mathematics: A Practical Guide. London: David Fulton, 2004.

Yeap, Ban Har, Pui Yee Foong, Li Gek Pearlyn Lim, Oon Hoa Wong, and Anne Hermanson. Maths - No Problem!: Singapore Maths English National Curriculum 2014, Textbook 2B. Tunbridge Wells, UK: Maths - No Problem, 2015.

Yeap, Ban Har, and Anne Hermanson. Maths - No Problem!: Singapore Maths English National Curriculum 2014, 6B: Textbook. Tunbridge Wells, UK: Maths - No Problem!, 2018.

———. Maths - No Problem!: Singapore Maths English National Curriculum 2014, Textbook 6A. Tunbridge Wells, UK: Maths - No Problem, 2015.

Yeap, Ban Har, Anne Hermanson, Pui Yee Foong, Li Gek Pearlyn Lim, and Oon Hoa Wong. Maths - No Problem!: Singapore Maths English National Curriculum 2014, Textbook 2A.

Tunbridge Wells, UK: Maths - No Problem, 2016.