# Primary\_SP: Primary PGCE - Specialism Mathematics for Maths Route Students

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1

M. Askew, in Issues in teaching numeracy in primary schools, ed. I. Thompson, Open University Press, Buckingham, 2nd edn., 2010, pp. 31–44.

2

M. Brown, in Debates in mathematics education, Routledge, New York, NY, 2013, vol. Debates in subject teaching series.

#### 3

R. Aldrich and D. Crook, in Why learn maths?, Institute of Education, University of London, London, 2000, vol. Bedford Way papers, pp. 26–47.

4

#### 5

P. Ernest, in Why learn maths?, Institute of Education, University of London, London, 2000, vol. Bedford Way papers, pp. 1–14.

6

A. Hansen and D. Vaukins, in Primary mathematics across the curriculum, SAGE, Los Angeles, 2nd ed., 2012, vol. Transforming primary QTS, pp. 5–29.

A. Noyes, Philosophy of Mathematics Education Journal.

# 8

T. N. Carraher, D. W. Carraher and A. D. Schliemann, British Journal of Developmental Psychology, 1985, **3**, 21–29.

# 9

Ofsted, .

# 10

D. Reynolds and D. Muijs, in Issues in teaching numeracy in primary schools, Open University Press, Maidenhead, 2nd ed., 2010, pp. 17–26.

# 11

A. Pitt, Mathematics teaching, 181, 3-5.

#### 12

David W Stinson, The Mathematics Educator.

# 13

M. Askew, in Transforming primary mathematics: understanding classroom tasks, tools and talk, Routledge, London, Updated and revised edition., 2016, pp. 97–108.

# 14

B. Sriraman and L. English, in Theories of mathematics education: seeking new frontiers, Springer, Heidelberg, 2010, vol. Advances in mathematics education.

P. Barmby, D. Bolden and L. Thompson, in Understanding and enriching problem solving in primary mathematics, Critical Publishing, Northwich, 2014, vol. Critical teaching, pp. 46–61.

#### 16

F. Monaghan, Research in Mathematics Education, 2005, 7, 83–100.

#### 17

S. Pope, Proceedings of the British Society for Research into Learning Mathematics, 2002, **22**, 67–73.

#### 18

J. Back, .

#### 19

J. Barnes, Cross-curricular learning 3-14, SAGE, London, Third edition., 2015.

#### 20

J. Barnes, in Cross-curricular learning 3-14, SAGE, London, Third edition., 2015.

#### 21

J. Boaler, in Mathematical mindsets: unleashing students' potential through creative math, inspiring messages, and innovative teaching, Jossey-Bass & Pfeiffer Imprints, San Francisco, CA, 2016, pp. 171–208.

# 22

S. Fox and L. Surtees, Mathematics across the curriculum: problem-solving, reasoning, and numeracy in primary schools, Continuum, London, 2010.

A. Hansen and D. Vaukins, Primary mathematics across the curriculum, SAGE, Los Angeles, 2nd ed., 2012, vol. Transforming primary QTS.

#### 24

S. NicMhuirí, in Proceedings of the British Society for Research into Learning Mathematics, vol. 31, pp. 119–124.

#### 25

Williams, Helen, Mathematics Teaching, 2012, 17-20.

#### 26

J. Cai and F. Lester, Problem Solving Research Brief.

#### 27

J. Cai, Research and issues in teaching mathematics through problem solving, 2003, 241–254.

#### 28

P. Barmby, D. Bolden and L. Thompson, Understanding and enriching problem solving in primary mathematics, Critical Publishing, Northwich, 2014, vol. Critical teaching.

#### 29

H. Burkhardt and A. Bell, ZDM-International Journal on Mathematics Education.

#### 30

S. Fox and L. Surtees, Mathematics across the curriculum: problem-solving, reasoning, and

numeracy in primary schools, Continuum, London, 2010.

# 31

N. Pratt, in Interactive maths teaching in the primary school, Paul Chapman, London, 2006, pp. 48–67.

# 32

M. Sangster, in Proceedings of the British Society for Research into Learning Mathematics, vol. 32.

# 33

Susan J. Lamon, 1949-, Teaching fractions and ratios for understanding essential content knowledge and instructional strategies for teachers / Susan J. Lamon., .

#### 34

E. Wilson, in School-based research: a guide for education students, London, Los Angeles, 2nd ed., 2012, pp. 1–10.

#### 35

J. B. Biggs, C. S. Tang, and Society for Research into Higher Education, Teaching for quality learning at university: what the student does, McGraw-Hill/Society for Research into Higher Education & Open University Press, Maidenhead, 4th ed., 2011.

#### 36

M. K. Stein, R. A. Engle, M. S. Smith and E. K. Hughes, Mathematical Thinking and Learning, 2008, **10**, 313–340.

#### 37

T. Rowland, F. Turner, A. Thwaites and P. Huckstep, in Developing primary mathematics teaching: reflecting on practice with the Knowledge Quartet, SAGE, London, 2009, pp.

41-66.

38

F. Ell, .

39

K. Delaney, in Issues in teaching numeracy in primary schools, Open University Press, Maidenhead, 2nd ed., 2010, pp. 72–83.

### 40

C. D. Bruse, 2007.

# 41

P. Brosnan, A. Schmidlin and M. R. Grant, in International guide to student achievement, Routledge, New York, 2013, vol. Educational psychology handbook series.

# 42

P. Barmby, D. Bolden and L. Thompson, in Understanding and enriching problem solving in primary mathematics, Critical Publishing, Northwich, 2014, vol. Critical teaching, pp. 74–88.

# 43

Australian Primary Mathematics Classroom, 2009, 14, 27-32.

# 44

Wheeldon, Irene, Mathematics Teaching Incorporating Micromath, 2006, 199, 39-41.

45

M. Askew, in Transforming primary mathematics, Routledge, London, Revised and updated edition., 2016.

#### 46

M. Askew, in Transforming primary mathematics: understanding classroom tasks, tools and talk, Routledge, London, Updated and revised edition., 2016, pp. 109–127.

### 47

C. Kyriacou and J. Issitt, in Proceedings of the British Society for Research into Learning Mathematics, 2007, vol. 27.

#### 48

M. Beishuizen, in Issues in teaching numeracy in primary schools, ed. I. Thompson, OUP, Maidenhead, 2nd edn., 2010, pp. 174–187.

#### 49

L. Wickham, Generating mathematical talk in the key stage 2 classroom., 2008, vol. (2).

#### 50

C. Murphy, British Educational Research Journal, 2011, 37, 147–161.

#### 51

P. Barmby, T. Harries, S. Higgins and J. Suggate, Educational Studies in Mathematics, 2009, **70**, 217–241.

#### 52

Mathematical Association, Maths talk, The Mathematical Association and Stanley Thornes, Cheltenham, 2nd ed., 1992.

Victoria R. Jacobs, Lisa L. C. Lamb and Randolph A. Philipp, Journal for Research in Mathematics Education, 2010, **41**, 169–202.

#### 54

RICHARD R. SKEMP, Mathematics Teaching in the Middle School, 2006, 12, 88–95.

#### 55

P. Hook and J. Mills, SOLO taxonomy: a guide for schools: Book 1. A common language of learning., Essential Resources Ltd, Laughton, 2012.

#### 56

P. Hook and J. Mills, SOLO taxonomy: a guide for schools: Book 2. Planning for differentiation, Essential Resources Ltd, Laughton, 2012.

#### 57

J. B. Biggs and K. F. Collis, Evaluating the quality of learning: the SOLO taxonomy [Structure of the Observed Learning Outcome], Academic Press, New York, 1982, vol. Educational psychology.

#### 58

J. Boaler, in Mathematical mindsets: unleashing students' potential through creative math, inspiring messages, and innovative teaching, Jossey-Bass & Pfeiffer Imprints, San Francisco, CA, 2016, pp. 171–208.

#### 59

J. Hattie, Visible learning for teachers: maximizing impact on learning, Routledge, London, 2012.

S. Collins, in Neuroscience for learning and development: how to apply neuroscience and psychology for improved learning and training, Kogan Page Limited, London, 2016, pp. 121–138.

#### 61

J. Hattie and G. C. R. Yates, in Visible learning and the science of how we learn, Routledge, London, 2014, pp. 126–135.

### 62

British Educational Research Association (BERA), .

#### 63

DfES, 2002.

#### 64

D. Drews and A. Hansen, Using resources to support mathematical thinking: primary and early years, Learning Matters, Exeter, 2007, vol. Achieving QTS. Practical handbooks.

#### 65

D. Fielker, in Extending mathematical ability through whole class teaching, Hodder & Stoughton, London, 1997, vol. Managing primary mathematics.

#### 66

S. Higgs, in Enhancing primary mathematics teaching, Open University Press, Maidenhead, 2003, pp. 54–64.

#### 67

A. Watson and J. Mason, Mathematics as a constructive activity: learners generating

examples, Lawrence Erlbaum Associates, Mahwah, N.J., 2005, vol. Studies in mathematical thinking and learning.

68

G. Donaldson, Becoming a primary mathematics specialist teacher, Routledge, Abingdon, 2012.

69

NCETM, .

70

P. Tarrant and D. Holt, in Metacognition in the primary classroom: a practical guide to helping children understand how they learn best, Routledge, London, 2016, pp. 123–134.

71

B. Ashby, Exploring children's attitudes towards mathematics, http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.530.8962&rep=rep1& type=pdf.

72

T. Rowland, F. Turner, A. E. Thwaites and P. Huckstep, in Developing Primary Mathematics Teaching : Reflecting on Practice with the Knowledge Quartet, pp. 18–40.

73

J. Boaler, FORUM.

74

M. Boylan and H. Povey, in Debates in mathematics education, Routledge, New York, NY, 2013, vol. Debates in subject teaching series.

T. Brown, Coordinating mathematics across the primary school, Falmer P., London, 1998, vol. Subject leader's handbooks.

### 76

C. S. Dweck, Mindset, Robinson, London, 2012.

### 77

S. Elton-Chalcraft, A. Hansen and S. Twiselton, in Doing classroom research: a step-by-step guide for student teachers, Open University Press, Maidenhead, 2008, pp. 11–26.

### 78

J. H. Lorenz, Educational Studies in Mathematics, 1982, 13, 1-19.

79

Educational Leadership, 2007, 65, 54-59.

80

Australian Primary Mathematics Classroom, 2009, 14, 27–32.

#### 81

R. Marks, Research in Mathematics Education, 2011, 13, 305–306.

#### 82

NCETM, .

# 84

J. Radford, P. Blatchford and R. Webster, .

### 85

K. Ruthven, Educational Studies in Mathematics, 1987, 18, 243–253.

#### 86

A. WATSON, Educational Review, 1999, 51, 105–115.

#### 87

Whitehorn, Tara, .

#### 88

J. Anghileri, Teaching number sense, Continuum, London, 2nd ed., 2006.

#### 89

M. Askew, Transforming primary mathematics: understanding classroom tasks, tools and talk, Routledge, London, Updated and revised edition., 2016.

#### 90

J. Boaler, The Elephant in the Classroom: Helping Children Learn and Love Maths, Souvenir Press, New York, 2015.

#### 91

J. Boaler, Mathematical mindsets: unleashing students' potential through creative math,

inspiring messages, and innovative teaching, Jossey-Bass & Pfeiffer Imprints, San Francisco, CA, 2016.

### 92

S. Briggs, Meeting special educational needs in primary classrooms: inclusion and how to do it, Routledge, London, Second edition., 2016.

# 93

L. Burton, Children learning mathematics: patterns and relationships, Simon & Schuster Education, Hemel Hempstead, 1994, vol. Primary matters.

#### 94

G. Donaldson, Becoming a primary mathematics specialist teacher, Routledge, Abingdon, 2012.

### 95

D. Haylock and R. Manning, Mathematics explained for primary teachers, SAGE Publications, London, 5th edition., 2014.

#### 96

P. Hook, C. Gravett, M. Howard and E. John, SOLO taxonomy in mathematics: strategies for thinking like a mathematician, Essential Resources, Laughton, United Kingdom, 2014.

#### 97

M. Hughes, Children and number: difficulties in learning mathematics, Basil Blackwell, Oxford, 1986.

# 98

D. Leslie and H. Mendick, Debates in mathematics education, Routledge, New York, NY, 2013, vol. Debates in subject teaching series.

N. Pratt, Interactive maths teaching in the primary school, Paul Chapman, London, 2006.

#### 100

R. Sutherland, Teaching for learning mathematics, Open University P., Maidenhead, 2007.

101

Proceedings of the British Society for Research into Learning Mathematics (BSRLM), http://www.bsrlm.org.uk/.

#### 102

Association of Teachers of Mathematics - ATM, https://www.atm.org.uk/.

#### 103

British Society for Research into Learning Mathematics, .

104

#### 105

National Council of Teachers of Mathematics, .

#### 106

N. Denby, Masters level study in education, Open University Press, Maidenhead, 2008.

J. Bell and S. Waters, Doing your research project: a guide for first-time researchers, Open University Press, Maidenhead, Sixth edition., 2014.

### 108

A. Bonnett, How to argue, Pearson Education, Harlow, 3rd ed., 2011, vol. Smarter study skills.

#### 109

H. Bryan, C. Carpenter and S. Hoult, Learning and teaching at M-level: a guide for student teachers, SAGE, London, 2010.

### 110

L. Cohen, R. Bell, L. Manion, G. McCulloch and K. Morrison, Research methods in education, Routledge, London, 7th ed., 2011.

# 111

S. Cottrell, Critical thinking skills: developing effective analysis and argument, Palgrave Macmillan, Basingstoke, 3rd ed., 2017, vol. Palgrave study skills.

# 112

M. Denscombe, The good research guide: for small-scale social research projects, Open University Press, Maidenhead, 6th ed., 2017, vol. Open UP study skills.

# 113

J. Godfrey, How to use your reading in your essays, Palgrave Macmillan, Basingstoke, 2nd ed., 2013, vol. Palgrave study skills.

K. McMillan and J. D. B. Weyers, How to cite, reference & avoid plagiarism at university, Pearson Education, Harlow, 2013, vol. Smarter study skills.

# 115

K. McMillan and J. D. B. Weyers, How to Write for University, Pearson, Harlow, England, 2014.

# 116

R. Pears and G. J. Shields, Cite them right: the essential referencing guide, Palgrave, London, 10th ed., 2016, vol. Palgrave study skills.

# 117

K. Sewell, Doing your PGCE at M-level: a guide for students, SAGE, Los Angeles, 2nd ed., 2012.

# 118

C. Swatridge, The Oxford guide to effective argument and critical thinking, Oxford University Press, Oxford, 2014.

# 119

M. Wallace and A. Wray, Critical reading and writing for postgraduates, SAGE, Los Angeles, 3rd edition., 2016, vol. SAGE study skills.

# 120

D. Wyse, The good writing guide for education students, SAGE, Thousand Oaks, Calif, 3rd ed., 2012, vol. Sage study skills.

# 121

K. Aubrey and A. Riley, Understanding and using educational theories, SAGE, Los Angeles, 2016.

B. Bates, Learning theories simplified: - and how to apply them to teaching, SAGE, Los Angeles, 2016.

### 123

S. Collins, Neuroscience for learning and development: how to apply neuroscience and psychology for improved learning and training, Kogan Page Limited, London, 2016.

### 124

J. S. Bruner, Toward a theory of instruction, Belknap Press, Cambridge, Mass, 1966.

### 125

L. J. Cozolino, The social neuroscience of education: optimizing attachment and learning in the classroom, Norton, New York, 2013, vol. Norton books in education.

#### 126

J. Colwell and A. Pollard, Readings for reflective teaching in early education, Bloomsbury Academic, London, 2015, vol. Reflective teaching series.

#### 127

J. Arthur and T. Cremin, Learning to teach in the primary school, Routledge, London, Third edition., 2014.

#### 128

J. Dewey, Experience and education, Kappa Delta Pi, West Lafayette, Ind, 60th anniversary ed., 1998.

Carol Dweck, Mindset: Changing the way you think to fulfil your potential, Robinson, London, Updated edition., 2017.

### 130

R. M. Gagné, The conditions of learning and theory of instruction, Holt, Rinehart and Winston, New York, 4th ed., 1986.

# 131

H. Gardner, Multiple intelligences: new horizons in theory and practice, BasicBooks, New York, Revised and updated edition., 2006.

# 132

J. G. Geake, The brain at school: educational neuroscience in the classroom, Open University Press, Maidenhead, 2009.

# 133

C. Gray and S. MacBlain, Learning theories in childhood, SAGE, Los Angeles, 2nd edition., 2015.

# 134

A. Hansen, Primary professional studies, Learning Matters, London, Third edition., 2015, vol. Transforming primary QTS.

#### 135

J. Hattie and G. C. R. Yates, Visible learning and the science of how we learn, Routledge, London, 2014.

# 136

K. Illeris, Contemporary theories of learning: learning theorists - in their own words, Routledge, London, 2009.

Maslow, Abraham H, The Journal of Transpersonal Psychology.

### 138

L. Miller and L. Pound, Theories and approaches to learning in the early years, SAGE, Los Angeles, 2011, vol. Critical issues in the early years series.

# 139

A. Moore, Teaching and learning: pedagogy, curriculum and culture, Routledge, London, Second edition., 2012.

### 140

J. Piaget, The construction of reality in the child, Basic Books, New York, 1954.

# 141

A. Pollard, Readings for reflective teaching in schools, Bloomsbury Academic, London, Second edition., 2014, vol. Reflective teaching series.

#### 142

F. Agbah, Ways of learning, Printing and Publishing Unit for Continuing Education, Leeds, 1987.

# 143

L. Sancisi and M. Edgington, Developing high quality observation, assessment and planning in the early years: made to measure, Routledge, Abingdon, Oxon, 2015.

144

D. A. Sousa, Mind, brain, and education: neuroscience implications for the classroom, Solution Tree Press, Bloomington, IN, 2010.

145

L. Vygotsky, Thought and language, MIT Press, Cambridge, Mass, 1962.

146

L. S. Vygotskii, M. Cole and A. R. Luriia, Mind in society: the development of higher psychological processes, Harvard University Press, Cambridge, Mass, 1978.