

EP782 Mathematics

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This is the mathematics element of the EP782 module, taught throughout the autumn term

56 items

Mathematics Subject Knowledge texts (18 items)

A range of texts that support your own understanding of mathematics and how to approach the teaching of curriculum topic areas.

Mathematics explained for primary teachers, by Derek Haylock; Ralph Manning, 2014

[Book](#) | This is the newest edition of the core text for this module. You should make sure that you purchase either this edition or an earlier one

Mathematics in the primary school, by Richard R. Skemp, 1989

[Book](#) | This is a seminal text and well worth reading, though it does not specifically address subject knowledge across curriculum topics as others in this section do

Mathematics in the primary school, by Skemp, Richard R.; MyiLibrary, 1989

[Book](#) | This is a seminal text and well worth reading, though it does not specifically address subject knowledge across curriculum topics as others in this section do

Primary mathematics: teaching for understanding, by Patrick Barmby, 2009

[Book](#)

Primary mathematics: teaching for understanding, by Barmby, Patrick; Dawsonera, 2009

[Book](#)

Teaching number sense, by Anghileri, Julia, c2006

[Book](#)

Developing number sense: progression in the middle years, by Anghileri, Julia, c2007

[Book](#)

Mathematics for primary teachers, by Paul Ernest; Ron Casey; Valsa Koshy, 2000

[Book](#)

Mathematics for primary teachers, by Koshy, Valsa; Ernest, Paul; Casey, Ron, 2000

[Book](#)

Key concepts in teaching primary mathematics, by Derek Haylock; Fiona Thangata, 2007

[Book](#)

Key concepts in teaching primary mathematics, by Haylock, Derek; Thangata, Fiona, 2007

[Book](#)

Making connections in primary mathematics: a practical guide, by Turner, Sylvia; McCullouch, Judith, 2004

[Book](#)

Primary mathematics: teaching theory and practice, by Claire Mooney; Mary Briggs; Mike Fletcher; Alice Hansen; Judith McCullouch, 2014

[Book](#)

Primary mathematics, by Alice Hansen, 2008

[Book](#)

Primary mathematics: extending knowledge in practice, by Hansen, Alice; Dawsonera, 2008

[Book](#)

Mathematical knowledge for primary teachers, by Jennifer Suggate; Andrew Davis; Maria Goulding, 2010

[Book](#)

Mathematical knowledge for primary teachers, by Suggate, Jennifer; Davis, Andrew; Goulding, Maria; Dawsonera, c2010

[Book](#)

Young mathematicians at work: constructing number sense, addition, and subtraction, by Fosnot, Catherine Twomey; Dolk, Maarten Ludovicus Antonius Marie, 2001

[Book](#)

Errors and misconceptions texts (7 items)

These texts focus specifically on identifying and addressing common misconceptions in the learning of primary mathematics

Mathematical misconceptions: a guide for primary teachers, by Anne Cockburn; G. H. Littler, 2008

[Book](#)

Mathematical misconceptions: a guide for primary teachers, by Cockburn, Anne; Littler, G. H., 2008

[Book](#)

Teaching mathematics with insight: the identification, diagnosis and remediation of young children's mathematical errors, by Anne Cockburn, 1999

[Book](#)

Teaching mathematics with insight: the identification, diagnosis and remediation of young children's mathematical errors, by Cockburn, Anne; MyiLibrary, 1999

[Book](#)

Children's mathematics 4-15: learning from errors and misconceptions, by Ryan, Julie; Williams, Julian, 2007

[Book](#)

Children's mathematics 4-15: learning from errors and misconceptions, by Julie Ryan; Julian Williams, 2007

[Book](#)

Children's errors in mathematics, edited by Alice Hansen, 2014

[Book](#)

Texts focusing on developing pedagogy (11 items)

Interactive maths teaching in the primary school, by Nick Pratt, 2006

[Book](#)

| This is a readable and supportive text. Recommended

Interactive maths teaching in the primary school, by Pratt, Nick; Dawsonera, 2006

[Book](#)

| This is a readable and supportive text. Recommended

The really useful maths book: a guide to interactive teaching, by Tony Brown; Henry Liebling, 2013

[Book](#)

The really useful maths book: a guide to interactive teaching, by Tony Brown; Henry Liebling, 2013

[Book](#)

Mathematics in the early years and primary classroom, by Briggs, Mary; Davis, Sue, 2008

[Book](#)

Using resources to support mathematical thinking: primary and early years, by Doreen Drews; Alice Hansen, 2007

[Book](#)

Using resources to support mathematical thinking: primary and early years, by Dawsonera, 2007

[Book](#)

Mathematical understanding 5-11: a practical guide to creative communication in mathematics, by Cockburn, Anne, 2007

[Book](#)

Maths and ICT in the primary school: a creative approach, by English, Richard, 2006

[Book](#)

Teaching mathematics creatively, by Linda Pound; Trisha Lee, 2015

[Book](#)

Teaching mathematics creatively, by Pound, Linda; Lee, Trisha; Dawsonera, 2011

[Book](#)

Activities and challenges (10 items)

Texts in this section support the teaching of particular issues or offer specific activity suggestions

Investigating number, by Sugarman, Ian; Shropshire Centre for Mathematics Education,

1992

[Book](#)

Investigating number, by Sugarman, Ian; Shropshire Centre for Mathematics Education, 1992

[Book](#)

Young mathematicians at work: constructing number sense, addition, and subtraction, by Fosnot, Catherine Twomey; Dolk, Maarten Ludovicus Antonius Marie, 2001

[Book](#)

Young mathematicians at work: constructing fractions, decimals, and percents, by Fosnot, Catherine Twomey; Dolk, Maarten Ludovicus Antonius Marie, 2002

[Book](#)

Using resources to support mathematical thinking: primary and early years, by Doreen Drews; Alice Hansen, 2007

[Book](#)

Using resources to support mathematical thinking: primary and early years, by Dawsonera, 2007

[Book](#)

Number calculations in years 1 and 2, by Skinner, Carole; Ebbutt, Sheila; Mosley, Frances; BEAM (Organisation), c2001

[Book](#)

Number calculations in years 3 and 4, by Mosley, Frances; Ebbutt, Sheila; Askew, Mike; BEAM (Organisation), c2001

[Book](#)

Number calculations in years 5 and 6, by Askew, Mike; Mosley, Frances; Robinson, Debbie; BEAM (Organisation), c2001

[Book](#)

The National Numeracy Strategy: guidance for teachers at key stages 1 and 2, Teaching mental calculation strategies, by Qualifications and Curriculum Authority, 1999

[Book](#)

Addressing special needs (5 items)

Overcoming difficulties with number: supporting dyscalculia and students who struggle with maths, by Bird, Ronit, 2009

[Book](#)

Dyscalculia: action plans for successful learning in mathematics, by Glynis Hannell, 2013

[Book](#)

Dyslexia and mathematics, by Miles, Elaine; Miles, T. R., 2004

[Book](#)

Dyslexia, dyspraxia and mathematics, by Yeo, Dorian, 2003

Book

Meeting SEN in the curriculum, by Sharp, Brian, 2004

Book

Broader issues in mathematics teaching and learning (5 items)

Issues in mathematics teaching, by Peter Gates, 2001

Book

| Read the chapter by Kevin Delaney: Teaching Mathematics Resourcefully to support critical use of representations in mathematics teaching and learning

Issues in mathematics teaching, by Peter Gates; MyiLibrary, 2001

Book

| **Key** | Read the chapter by Kevin Delaney: Teaching Mathematics Resourcefully to support critical use of representations in mathematics teaching and learning

Issues in mathematics teaching, by Peter Gates; MyiLibrary, 2001

Book

| **Key** | Read the chapter by Kevin Delaney: Teaching Mathematics Resourcefully to support critical use of representations in mathematics teaching and learning

Children's mathematical thinking in the primary years: perspectives on children's learning, by Anghileri, Julia, 2005

Book

Children's mathematical thinking in the primary years: perspectives on children's learning, by Julia Anghileri, 1995

Book