

# Primary\_PP\_CMAT: Primary PGCE: Professional Practice: Curriculum Maths

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1.

Haylock, D. & Manning, R. Mathematics explained for primary teachers. (SAGE Publications, 2019).

2.

Gifford, S. Teaching mathematics 3-5: developing learning in the foundation stage. (Open UP, 2005).

3.

Haylock, D. & Cockburn, A. Understanding mathematics for young children: a guide for teachers of children 3-7. (SAGE, 2017).

4.

Cotton, T. Understanding and teaching primary mathematics. (Routledge, 2016).

5.

Haylock, D. & Manning, R. Mathematics explained for primary teachers. (SAGE Publications, 2019).

6.

Haylock, D. Student workbook for mathematics explained for primary teachers. (SAGE, 2014).

7.

Suggate, J., Davis, A. & Goulding, M. Mathematical knowledge for primary teachers (5th Edition). (Routledge, 2017).

8.

Gifford, S. Chapter 8: Number. in Teaching mathematics 3-5: developing learning in the foundation stage 77-103 (Open UP, 2005).

9.

Hughes, M. Chapter 4: What's so hard about two and two? in Children and number: difficulties in learning mathematics 37-52 (Basil Blackwell, 1986).

10.

Carruthers, E. & Worthington, M. Young children exploring early calculation. Mathematics teaching 30-34 (2004).

11.

Anghileri, J. Chapter 4: Addition and Subtraction. in Teaching number sense 49-70 (Continuum, 2006).

12.

Thompson, I. Chapter 12. Getting your head around mental calculation. in Issues in teaching numeracy in primary schools 97-103 (Open University Press, 2010).

13.

Thompson, I. Deconstructing calculation, Part 1: Addition. Mathematics teaching 14-15 (2007).

14.

Thompson, I. Deconstructing calculation methods, Part 2: Subtraction. Mathematics teaching 6–8 (2007).

15.

Anghileri, J. Chapter 5: Developing Multiplicative Thinking. in Developing number sense: progression in the middle years 71–93 (Continuum, 2007).

16.

Plunkett, S. Decomposition and all that rot. Mathematics in school 2–5.

17.

Barmby, P., Harries, T., Higgins, S. & Suggate, J. The array representation and primary children's understanding and reasoning in multiplication. Educational Studies in Mathematics **70**, 217–241 (2009).

18.

Maulfry Worthington & Elizabeth Carruthers. Research Uncovers Children's Creative Mathematical Thinking. Primary Mathematics (Mathematics Association). **7**, 21–25 (2003).

19.

Cotton, T. Chapter 7: Understanding shape. in Understanding and teaching primary mathematics (Routledge, 2014).

20.

Kerslake, D. Visual Mathematics. Mathematics in school 34–35.

21.

Van Hiele, Pierre M. Developing Geometric Thinking through Activities That Begin with Play. *Teaching Children Mathematics* **5**, 310–316 (1999).

22.

Five Myths of Mastery in Mathematics.

23.

English, R. Chapter 6: Arithmetic with fractions, decimals, percentages and ratios. in *Teaching arithmetic in primary schools vol. Transforming primary QTS* 89–115 (SAGE, 2013).

24.

Nunes, T., Bryant, P., Hurry, J. & Pretzlik, U. Fractions: difficult but crucial in mathematics learning. (2006).

25.

Hansen, A. Number: fractions, decimals and percentages. in *Children's errors in mathematics vol. Transforming primary QTS* (SAGE Publications, 2014).

26.

Haylock, D. & Manning, R. Chapter 4: Key Processes in Mathematical Reasoning. in *Mathematics explained for primary teachers* 37–49 (SAGE Publications, 2014).

27.

Haylock, D. & Manning, R. Chapter 5: Modelling and Problem Solving. in *Mathematics explained for primary teachers* 52–61 (SAGE Publications, 2014).

28.

Askew, M. Chapter 2: Thinking about learning. in *Transforming primary mathematics: understanding classroom tasks, tools and talk* 13–29 (Routledge, 2016).

29.

Richard R. Skemp. Relational Understanding and Instrumental Understanding. Mathematics Teaching in the Middle School **12**, 88–95 (2006).

30.

Rickard, C. Data handling. in Primary mathematics for trainee teachers vol. Transforming primary QTS 139–156 (SAGE, 2014).

31.

Fox, S. & Surtees, L. Chapter 6: Mathematics and Historical and Geographical Understanding. in Mathematics across the curriculum: problem-solving, reasoning, and numeracy in primary schools 86–94 (Continuum, 2010).

32.

Barmby, P., Bilsborough, L., Harries, T. & Higgins, S. Data handling. in Primary mathematics: teaching for understanding (Open University Press, 2009).

33.

Haylock, D. & Thangata, F. Questioning. in Key concepts in teaching primary mathematics vol. SAGE key concepts 155–162 (SAGE, 2007).

34.

Working with Luke. <http://nrich.maths.org/6688>.

35.

Ryan, J. & Williams, J. Chapter 2: Learning from errors and misconceptions. in Children's mathematics 4-15: learning from errors and misconceptions 13–30 (Open University P., 2007).

36.

Hansen, A. Chapter 2: Errors and Misconceptions: the teacher's role. in Children's errors in mathematics vol. Transforming primary QTS 11–20 (SAGE Publications, 2014).