Primary_PP_CMAT: Primary PGCE: Professional Practice: Curriculum Maths

Course start date: 29/08/2017



[1]

D. Haylock and R. Manning, Mathematics explained for primary teachers, 6th edition. London: SAGE Publications, 2019.

[2]

S. Gifford, Teaching mathematics 3-5: developing learning in the foundation stage. Maidenhead: Open UP, 2005 [Online]. Available: https://ebookcentral.proguest.com/lib/ucl/detail.action?docID=287879

[3]

D. Haylock and A. Cockburn, Understanding mathematics for young children: a guide for teachers of children 3-7, Fifth edition. London: SAGE, 2017 [Online]. Available: https://app.kortext.com/Shibboleth.sso/Login?entityID=https://shib-idp.ucl.ac.uk/shibboleth&target=https://app.kortext.com/borrow/284700

[4]

T. Cotton, Understanding and teaching primary mathematics, Third ed. Abingdon, Oxon: Routledge, 2016.

[5]

D. Haylock and R. Manning, Mathematics explained for primary teachers, 5th edition. London: SAGE Publications, 2019.

[6]

D. Haylock, Student workbook for mathematics explained for primary teachers, [2nd ed.]. Los Angeles: SAGE, 2014.

[7]

J. Suggate, A. Davis, and M. Goulding, Mathematical knowledge for primary teachers (5th Edition), 4th ed. London: Routledge, 2017.

[8]

S. Gifford, 'Chapter 8: Number', in Teaching mathematics 3-5: developing learning in the foundation stage, Maidenhead: Open UP, 2005, pp. 77–103 [Online]. Available: https://ebookcentral.proguest.com/lib/ucl/detail.action?docID=287879

[9]

M. Hughes, 'Chapter 4: What's so hard about two and two?', in Children and number: difficulties in learning mathematics, Oxford: Basil Blackwell, 1986, pp. 37–52 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=f048b80f-6e1b-e711-80c9-005056af4099

[10]

E. Carruthers and M. Worthington, 'Young children exploring early calculation', Mathematics teaching, no. 187, pp. 30–34, 2004 [Online]. Available: https://contentstore.cla.co.uk/secure/link?id=a49723d6-6d1b-e711-80c9-005056af4099

[11]

J. Anghileri, 'Chapter 4: Addition and Subtraction', in Teaching number sense, 2nd ed., London: Continuum, 2006, pp. 49–70 [Online]. Available: https://contentstore.cla.co.uk/secure/link?id=e0ba78cc-2342-e711-80cb-005056af4099

[12]

I. Thompson, 'Chapter 12. Getting your head around mental calculation', in Issues in teaching numeracy in primary schools, 2nd ed., Maidenhead: Open University Press, 2010, pp. 97–103 [Online]. Available:

http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780335241545

[13]

I. Thompson, 'Deconstructing calculation, Part 1: Addition', Mathematics teaching, no. 202, pp. 14–15, 2007 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=a59723d6-6d1b-e711-80c9-005056af4099

[14]

I. Thompson, 'Deconstructing calculation methods, Part 2: Subtraction', Mathematics teaching, no. 204, pp. 6-8, 2007 [Online]. Available: https://contentstore.cla.co.uk/secure/link?id=a69723d6-6d1b-e711-80c9-005056af4099

[15]

J. Anghileri, 'Chapter 5: Developing Multiplicative Thinking', in Developing number sense: progression in the middle years, London: Continuum, 2007, pp. 71–93 [Online]. Available: https://contentstore.cla.co.uk/secure/link?id=7784ef31-2442-e711-80cb-005056af4099

[16]

S. Plunkett, 'Decomposition and all that rot', Mathematics in school, no. 8, pp. 2–5 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=f9f450dc-6d1b-e711-80c9-005056af4099

[17]

P. Barmby, T. Harries, S. Higgins, and J. Suggate, 'The array representation and primary children's understanding and reasoning in multiplication', Educational Studies in Mathematics, vol. 70, no. 3, pp. 217–241, 2009, doi: 10.1007/s10649-008-9145-1.

[18]

Maulfry Worthington and Elizabeth Carruthers, 'Research Uncovers Children's Creative Mathematical Thinking', Primary Mathematics (Mathematics Association)., vol. 7, no. 3, pp. 21–25, 2003 [Online]. Available:

https://www.childrens-mathematics.net/our-publications-1/

[19]

T. Cotton, 'Chapter 7: Understanding shape', in Understanding and teaching primary mathematics, 2nd ed., London: Routledge, 2014 [Online]. Available: https://ebookcentral.proquest.com/lib/ucl/reader.action?docID=1682971&ppg=149

[20]

D. Kerslake, 'Visual Mathematics', Mathematics in school, no. 8, pp. 34–35 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=f8f450dc-6d1b-e711-80c9-005056af4099

[21]

van Hiele, Pierre M., 'Developing Geometric Thinking through Activities That Begin with Play', Teaching Children Mathematics, vol. 5, no. 6, pp. 310–16 [Online]. Available: https://search.proguest.com/docview/62490164?rfr id=info%3Axri%2Fsid%3Aprimo

[22]

'Five Myths of Mastery in Mathematics' [Online]. Available: https://matrixmathshub.co.uk/wp-content/uploads/2022/12/NAMA-Five-Myths-of-Mastery-in-Mathematics.pdf

[23]

R. English, 'Chapter 6: Arithmetic with fractions, decimals, percentages and ratios', in Teaching arithmetic in primary schools, vol. Transforming primary QTS, Los Angeles: SAGE, 2013, pp. 89–115 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=0579766d-33e2-ea11-80cd-005056af4099

[24]

T. Nunes, P. Bryant, J. Hurry, and U. Pretzlik, 'Fractions: difficult but crucial in mathematics learning'. 2006 [Online]. Available:

https://primarysite-prod-sorted.s3.amazonaws.com/stavertonwilts/UploadedDocument/9c7dd42517224ac3a064a585209fab36/fractions.pdf

[25]

A. Hansen, 'Number: fractions, decimals and percentages', in Children's errors in mathematics, 3rd edition., vol. Transforming primary QTS, Thousand Oaks, Calif: SAGE Publications, 2014.

[26]

D. Haylock and R. Manning, 'Chapter 4: Key Processes in Mathematical Reasoning', in Mathematics explained for primary teachers, 5th edition., London: SAGE Publications, 2014, pp. 37–49 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=1a1d5558-6e1b-e711-80c9-005056af4099

[27]

D. Haylock and R. Manning, 'Chapter 5: Modelling and Problem Solving', in Mathematics explained for primary teachers, 5th edition., London: SAGE Publications, 2014, pp. 52–61 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=1b1d5558-6e1b-e711-80c9-005056af4099

[28]

M. Askew, 'Chapter 2: Thinking about learning', in Transforming primary mathematics: understanding classroom tasks, tools and talk, Updated and Revised edition., London: Routledge, 2016, pp. 13–29 [Online]. Available:

http://www.tandfebooks.com/isbn/9781315667256

[29]

Richard R. Skemp, 'Relational Understanding and Instrumental Understanding', Mathematics Teaching in the Middle School, vol. 12, no. 2, pp. 88–95, 2006 [Online]. Available: http://www.jstor.org/stable/41182357?seq=1#page_scan_tab_contents

[30]

C. Rickard, 'Data handling', in Primary mathematics for trainee teachers, vol. Transforming primary QTS, Los Angeles: SAGE, 2014, pp. 139–156 [Online]. Available: https://contentstore.cla.co.uk/secure/link?id=32ffa129-b846-e711-80cb-005056af4099

[31]

S. Fox and L. Surtees, 'Chapter 6: Mathematics and Historical and Geographical Understanding', in Mathematics across the curriculum: problem-solving, reasoning, and numeracy in primary schools, London: Continuum, 2010, pp. 86–94 [Online]. Available: https://contentstore.cla.co.uk/secure/link?id=d5673e4b-6e1b-e711-80c9-005056af4099

[32]

P. Barmby, L. Bilsborough, T. Harries, and S. Higgins, 'Data handling', in Primary mathematics: teaching for understanding, Maidenhead: Open University Press, 2009 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=e1da47f6-6d1b-e711-80c9-005056af4099

[33]

P. Killen and S. Hindhaugh, 'Making sum sense', in How big is a big number?: learning to teach mathematics in the primary school, 2018 [Online]. Available: https://contentstore.cla.co.uk/secure/link?id=8438e990-80d3-e811-80cd-005056af4099

[34]

D. Haylock and F. Thangata, 'Questioning', in Key concepts in teaching primary mathematics, vol. SAGE key concepts, London: SAGE, 2007, pp. 155–162 [Online]. Available:

https://sk.sagepub.com/books/key-concepts-in-teaching-primary-mathematics/n38.xml

[35]

'Working with Luke'. [Online]. Available: http://nrich.maths.org/6688

[36]

J. Ryan and J. Williams, 'Chapter 2: Learning from errors and misconceptions', in Children's mathematics 4-15: learning from errors and misconceptions, Maidenhead: Open University P., 2007, pp. 13–30 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=dfda47f6-6d1b-e711-80c9-005056af4099

[37]

A. Hansen, 'Chapter 2: Errors and Misconceptions: the teacher's role', in Children's errors in mathematics, 3rd edition., vol. Transforming primary QTS, Thousand Oaks, Calif: SAGE Publications, 2014, pp. 11–20 [Online]. Available:

https://contentstore.cla.co.uk/secure/link?id=bf20a351-6e1b-e711-80c9-005056af4099