

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

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1.

Haylock D, Manning R. Mathematics Explained for Primary Teachers. 6th edition. SAGE Publications; 2019.

2.

Gifford S. Teaching Mathematics 3-5: Developing Learning in the Foundation Stage. Open UP; 2005. <https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=287879>

3.

Haylock D, Cockburn A. Understanding Mathematics for Young Children: A Guide for Teachers of Children 3-7. Fifth edition. SAGE; 2017.  
<https://app.kortext.com/Shibboleth.sso/Login?entityID=https://shib-idp.ucl.ac.uk/shibboleth&target=https://app.kortext.com/borrow/284700>

4.

Cotton T. Understanding and Teaching Primary Mathematics. Third ed. Routledge; 2016.

5.

Haylock D, Manning R. Mathematics Explained for Primary Teachers. 5th edition. SAGE Publications; 2019.

6.

Haylock D. Student Workbook for Mathematics Explained for Primary Teachers. [2nd ed.]. SAGE; 2014.

7.

Suggate J, Davis A, Goulding M. Mathematical Knowledge for Primary Teachers (5th Edition). 4th ed. Routledge; 2017.

8.

Gifford S. Chapter 8: Number. In: Teaching Mathematics 3-5: Developing Learning in the Foundation Stage. Open UP; 2005:77-103.  
<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=287879>

9.

Hughes M. Chapter 4: What's so hard about two and two? In: Children and Number: Difficulties in Learning Mathematics. Basil Blackwell; 1986:37-52.  
<https://contentstore.cla.co.uk/secure/link?id=f048b80f-6e1b-e711-80c9-005056af4099>

10.

Carruthers E, Worthington M. Young children exploring early calculation. Mathematics teaching. 2004;(187):30-34.  
<https://contentstore.cla.co.uk/secure/link?id=a49723d6-6d1b-e711-80c9-005056af4099>

11.

Anghileri J. Chapter 4: Addition and Subtraction. In: Teaching Number Sense. 2nd ed. Continuum; 2006:49-70.  
<https://contentstore.cla.co.uk/secure/link?id=e0ba78cc-2342-e711-80cb-005056af4099>

12.

Thompson I. Chapter 12. Getting your head around mental calculation. In: Issues in Teaching Numeracy in Primary Schools. 2nd ed. Open University Press; 2010:97-103.  
<http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780335241545>

13.

Thompson I. Deconstructing calculation, Part 1: Addition. Mathematics teaching. 2007;(202):14-15.

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

14.

Thompson I. Deconstructing calculation methods, Part 2: Subtraction. Mathematics teaching. 2007;(204):6-8.

<https://contentstore.cla.co.uk/secure/link?id=a69723d6-6d1b-e711-80c9-005056af4099>

15.

Anghileri J. Chapter 5: Developing Multiplicative Thinking. In: Developing Number Sense: Progression in the Middle Years. Continuum; 2007:71-93.

<https://contentstore.cla.co.uk/secure/link?id=7784ef31-2442-e711-80cb-005056af4099>

16.

Plunkett S. Decomposition and all that rot. Mathematics in school. (8):2-5.

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

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. 2009;70(3):217-241. doi:10.1007/s10649-008-9145-1

18.

Maulfry Worthington, Elizabeth Carruthers. Research Uncovers Children's Creative Mathematical Thinking. Primary Mathematics (Mathematics Association). 2003;7(3):21-25.

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

19.

Cotton T. Chapter 7: Understanding shape. In: Understanding and Teaching Primary Mathematics. 2nd ed. Routledge; 2014.

<https://ebookcentral.proquest.com/lib/ucl/reader.action?docID=1682971&ppg=149>

20.

Kerslake D. Visual Mathematics. Mathematics in school. (8):34-35.

<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. 1999;5(6):310-316.

[http://sfx.ucl.ac.uk/sfx\\_local?ctx\\_ver=Z39.88-2004&ctx\\_enc=info:ofi/enc:UTF-8&ctx\\_tim=2017-06-13T10%3A54%3A27IST&url\\_ver=Z39.88-2004&url\\_ctx\\_fmt=info:ofi/fmt:kev:mtx:ctx&rft\\_id=info:sid/primo.exlibrisgroup.com:primo3-Article-eric&rft\\_val\\_fmt=info:ofi/fmt:kev:mtx:article&rft.genre=article&rft.atitle=Developing%20Geometric%20Thinking%20through%20Activities%20That%20Begin%20with%20Play.&rft.jtitle=Teaching%20Children%20Mathematics&rft.btitle=&rft.aulast=&rft.auinit=&rft.auinit1=&rft.auinitm=&rft.ausuffix=&rft.au=van%20Hiele,%20Pierre%20M.&rft.aucorp=&rft.date=1999&rft.volume=5&rft.issue=6&rft.part=&rft.quarter=&rft.ssn=&rft.spage=310&rft.epage=16&rft.pages=310&rft.artnum=&rft.issn=1073-5836&rft.eissn=&rft.isbn=&rft.sici=&rft.coden=&rft\\_id=info:doi/&rft.object\\_id=&svc\\_val\\_fmt=info:ofi/fmt:kev:mtx:sch\\_svc&svc.fulltext=yes&rft\\_dat=%3Ceric%3EEJ580493%3C/eric%3E%3Curl%3E%3C/url%3E&rft.eisbn=&rft\\_id=info:oai/&req.language=eng](http://sfx.ucl.ac.uk/sfx_local?ctx_ver=Z39.88-2004&ctx_enc=info:ofi/enc:UTF-8&ctx_tim=2017-06-13T10%3A54%3A27IST&url_ver=Z39.88-2004&url_ctx_fmt=info:ofi/fmt:kev:mtx:ctx&rft_id=info:sid/primo.exlibrisgroup.com:primo3-Article-eric&rft_val_fmt=info:ofi/fmt:kev:mtx:article&rft.genre=article&rft.atitle=Developing%20Geometric%20Thinking%20through%20Activities%20That%20Begin%20with%20Play.&rft.jtitle=Teaching%20Children%20Mathematics&rft.btitle=&rft.aulast=&rft.auinit=&rft.auinit1=&rft.auinitm=&rft.ausuffix=&rft.au=van%20Hiele,%20Pierre%20M.&rft.aucorp=&rft.date=1999&rft.volume=5&rft.issue=6&rft.part=&rft.quarter=&rft.ssn=&rft.spage=310&rft.epage=16&rft.pages=310&rft.artnum=&rft.issn=1073-5836&rft.eissn=&rft.isbn=&rft.sici=&rft.coden=&rft_id=info:doi/&rft.object_id=&svc_val_fmt=info:ofi/fmt:kev:mtx:sch_svc&svc.fulltext=yes&rft_dat=%3Ceric%3EEJ580493%3C/eric%3E%3Curl%3E%3C/url%3E&rft.eisbn=&rft_id=info:oai/&req.language=eng)

22.

Five Myths of Mastery in Mathematics.

<https://matrixmathshub.co.uk/wp-content/uploads/2022/12/NAMA-Five-Myths-of-Mastery-in-Mathematics.pdf>

23.

English R. Chapter 6: Arithmetic with fractions, decimals, percentages and ratios. In: Teaching Arithmetic in Primary Schools. Vol Transforming primary QTS. SAGE; 2013:89-115.

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

24.

Nunes T, Bryant P, Hurry J, Pretzlik U. Fractions: difficult but crucial in mathematics learning. Published online 2006.

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

25.

Hansen A. Number: fractions, decimals and percentages. In: Children's Errors in Mathematics. Vol Transforming primary QTS. 3rd edition. SAGE Publications; 2014.

26.

Haylock D, Manning R. Chapter 4: Key Processes in Mathematical Reasoning. In: Mathematics Explained for Primary Teachers. 5th edition. SAGE Publications; 2014:37-49.

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

27.

Haylock D, Manning R. Chapter 5: Modelling and Problem Solving. In: Mathematics Explained for Primary Teachers. 5th edition. SAGE Publications; 2014:52-61.

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

28.

Askew M. Chapter 2: Thinking about learning. In: Transforming Primary Mathematics: Understanding Classroom Tasks, Tools and Talk. Updated and revised edition. Routledge; 2016:13-29. <http://www.tandfebooks.com/isbn/9781315667256>

29.

Richard R. Skemp. Relational Understanding and Instrumental Understanding. Mathematics Teaching in the Middle School. 2006;12(2):88-95.

[http://www.jstor.org/stable/41182357?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/41182357?seq=1#page_scan_tab_contents)

30.

Rickard C. Data handling. In: Primary Mathematics for Trainee Teachers. Vol Transforming primary QTS. SAGE; 2014:139-156.  
<https://contentstore.cla.co.uk/secure/link?id=32ffa129-b846-e711-80cb-005056af4099>

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. Continuum; 2010:86-94.  
<https://contentstore.cla.co.uk/secure/link?id=d5673e4b-6e1b-e711-80c9-005056af4099>

32.

Barmby P, Bilsborough L, Harries T, Higgins S. Data handling. In: Primary Mathematics: Teaching for Understanding. Open University Press; 2009.  
<https://contentstore.cla.co.uk/secure/link?id=e1da47f6-6d1b-e711-80c9-005056af4099>

33.

Haylock D, Thangata F. Questioning. In: Key Concepts in Teaching Primary Mathematics. Vol SAGE key concepts. SAGE; 2007:155-162.  
<https://sk.sagepub.com/books/key-concepts-in-teaching-primary-mathematics/n38.xml>

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. Open University P.; 2007:13-30.  
<https://contentstore.cla.co.uk/secure/link?id=dfda47f6-6d1b-e711-80c9-005056af4099>

36.

Hansen A. Chapter 2: Errors and Misconceptions: the teacher's role. In: Children's Errors in

Mathematics. Vol Transforming primary QTS. 3rd edition. SAGE Publications; 2014:11-20.  
<https://contentstore.cla.co.uk/secure/link?id=bf20a351-6e1b-e711-80c9-005056af4099>