PREPARATORY READING SUGGESTIONS

PLEASE NOTE that this is not a reading list. The following books are a selection of texts that have been suggested as useful and interesting by PGCE tutors. Please select those that are appropriate for your own interests and chosen phase of training. You will have access to the most recent publications available in our library once you have registered with the University.

GENERAL TEACHING AND LEARNING - for Primary and Secondary

Useful online resource: https://educationendowmentfoundation.org.uk/

PRIMARY TEACHING AND LEARNING: GENERAL PRIMARY

See also the Cambridge Primary Review Trust:
• CPRT website: www.cprtrust.org.uk
• CPRT publications: https://cprtrust.org.uk/cpr/cpr-publications/

Articles on this site include:


* These research reviews are all available online (see link above)

** PRIMARY ENGLISH/LITERACY **


** PRIMARY MATHEMATICS **


For some of you mathematics will seem like a distant subject that you studied a long time ago. For others you may have up to date skills in mathematics. Whichever you are (or if you are in between) you may wish to revisit some mathematics over the summer. Here are some puzzles for you to try:

** ROUND AND ROUND **

Choose any four numbers and place them at the corners of a square.

By the middle of each side of the square write the difference between the two numbers at the ends of that side. Use these numbers for the corners of a new square and repeat the process. Investigate what happens.
**ALL THE DIGITS**

<table>
<thead>
<tr>
<th>Sum/Expression</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 + 34 + 56 - 78 - 9</td>
<td>15</td>
</tr>
<tr>
<td>12 + 345 - 67 - 89</td>
<td>201</td>
</tr>
</tbody>
</table>

Keeping the digits 1 to 9 in order, what numbers can you make?

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**SUMS AND PRODUCTS**

<table>
<thead>
<tr>
<th>Expression</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 = 5 + 5</td>
<td>5 x 5 = 25</td>
</tr>
<tr>
<td>10 = 7 + 3</td>
<td>7 x 3 = 21</td>
</tr>
<tr>
<td>10 = 5 + 3 + 2</td>
<td>5 x 3 x 2 = 30</td>
</tr>
</tbody>
</table>

What is the greatest product that can be made from the numbers that add up to 10?

Try using a different starting number.

These puzzles come from ‘Primary Points of Departure’ published by the Association of Teachers of Mathematics (ATM). If you want to try other puzzles, you can order the booklet from [https://www.atm.org.uk/](https://www.atm.org.uk/).

Also recommended are Adrian Pinel’s books: Mathematical Games; Number Magic; and Shape and Space. These are available from Tesco or Amazon.

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**PRIMARY SCIENCE**


**PRIMAR ICT COMPUTING**


**PRIMARY MODERN LANGUAGES**

Martin, Cynthia (2008) Primary Languages: Effective Learning and Teaching Pub: Learning Matters Ltd. (e-book) NB: do not buy this. Once you are registered with the University, it will be available to you as an e-book from the library.

**PRIMARY HUMANITIES**


**PRIMARY ART**


**PRIMARY PE**


**PRIMARY MUSIC**

SECONDARY TEACHING AND LEARNING: GENERAL SECONDARY

NB: your subject tutor at the University will provide you with reading suggestions at the start of the course, but you should see below for pre-course suggestions.


SECONDARY SUBJECTS

Please familiarise yourself with developments in the National Curriculum for your subject by visiting: http://www.education.gov.uk/schools/teachingandlearning/curriculum/nationalcurriculum2014 and following the links.

It would also be helpful to find out from your main school which examination board they use for GCSEs in your subject. Visit the exam board website and look at some past papers to familiarise yourself with the level of subject knowledge required. Popular exam boards are:

AQA: www.aqa.org.uk

Edexcel: www.edexcel.com

OCR: http://www.ocr.org.uk

If you find that you need to refresh your subject knowledge in particular topics, any recent GCSE and A Level textbook or revision guide will help you to do this. Work out the best way to ‘capture’ your revision (mind maps, lists, notes, answering sample questions, etc.) and keep a record of any work that you do so that it will be easy to refer to this if needed during the year ahead.

It is also essential that you begin to consider the current GCSE and A Level examinations in your subject. Visit https://www.gov.uk/government/collections/gcse-subject-content and search for your subject content.

OCR shows a very useful timetable of both GCSE and A Level reforms up to Sept 2016: http://www.ocr.org.uk/qualifications/gcse-and-a-level-reform/ This is well worth a look!

*** NB: your school (and, once you have registered, your University Tutor) will be able to direct you to reading suggestions closely linked to your subject area. ***

You might also like to join the Chartered College of Teaching, a professional body for teachers which gives access to educational research and information about research informed teaching approaches. Amongst other things, this will provide access to a database of electronic journals (not as good as our own electronic library, but accessible before you register with us). Student membership is free!

https://chartered.college/student-membership