**Pre-course information – Maths**

**Professional Association:**

There are a variety of maths subject based associations we recommend the following associations.

**Subject Associations**

NCETM- <https://www.ncetm.org.uk/>

ATM- <https://www.atm.org.uk/>

Mathematical Association- <https://www.m-a.org.uk/>

STEM Learning- <https://www.stem.org.uk/>

**Subject knowledge: Maths Subject Knowledge**

Invest time in ensuring that you are confident in your personal knowledge and understanding to prepare you to teach maths in the National Curriculum. This should be up to GCSE. To support this you should download the maths subject knowledge audit from the secure section of our website.

You should familiarise yourself with the national curriculum for maths. You can download a copy from the link below. <https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/239058/SECONDARY_national_curriculum_-_Mathematics.pdf>

It is recommended that you familiarise yourself with the exam boards partner schools use.

**Examination Boards**

AQA - <https://www.aqa.org.uk/subjects/mathematics>

Edecel - <https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html>

**Recommended Reading**

How I wish I’d taught Maths- Craig Barton **19 Jan. 2018**

Yes, but why? Teaching for understanding in mathematics- Ed Southall **27 Feb. 2017**

Visible Maths: Using representations and structure to enhance mathematics teaching in schools- Peter Mattock - Crown House Publishing Ltd, 8 Feb 2019

Teaching for Mastery Paperback – 12 July 2019 Mark McCourt

**Research**

Throughout your course, you will be expected to engage with research in your subject area. In preparation, you should investigate current research from the Education Endowment Foundation

<https://educationendowmentfoundation.org.uk/school-themes/mathematics/>

**Maths Teaching Resources**

**Free Websites**

<https://www.drfrostmaths.com/>

<https://www.resourceaholic.com/>

<https://corbettmaths.com/contents/>

<https://www.mathsgenie.co.uk/>

<https://www.goteachmaths.co.uk/>

<https://diagnosticquestions.com/>

**Subscription sites** Please note there is no expectation that you should sign up for these site however they are often used in school, you should be aware of them.

<https://mrcartermaths.com/>

<https://hegartymaths.com/>

<https://www.mathsbox.org.uk/index1.php>

<https://whiterosemaths.com/>