

Dear PGCE Mathematician,

Once again, many congratulations on being offered a place on the PGCE course in mathematics at the University of Manchester. I cannot tell you how excited we are to be starting the course in September with you! It's been an unprecedented year in many ways but we feel really confident about the coming academic year and feel that this is the strongest and most diverse cohort we have had the pleasure of recruiting so far.

Firstly, a word on readings and core texts. Our complete list of set texts for mathematics PGCE course will be provided in September, but you might want to consider purchasing the following books before the beginning of the course. Don't feel that you need to read them all over summer – these are simply the texts that we use most frequently and which you may want to own. Copies of the core texts will also be available as e-books from the library in September.

Archer, R., Morgan, S., Swanson, D., (2021) *Understanding lesson study for mathematics: a practical guide for improving teaching and learning*. Routledge

Chambers, P. (2013) *Teaching Mathematics: Developing as a Reflective Secondary Teacher*, London: Sage

Ineson, G., & Povey, H. (Eds.). (2020). *Debates in Mathematics Education*. Routledge.

Watson, A., Jones, K., Pratt, D., 2013 *Key Ideas in Teaching Mathematics Research-based guidance for ages 9-19*, Oxford University Press

For some lighter but very interesting reading we suggest: Boaler, J. (2015). *The elephant in the classroom: Helping children learn and love maths*. Souvenir Press.

All of the above books should be available from Blackwell University Bookshop, The Precinct Centre, Oxford Road, Manchester, M13 9RN, Tel: 0161 274 3331, Email: Manchester@Blackwell.co.uk. All are available on Amazon and many will be available as second hand copies too.

Before the course starts we would like you to do the following:

- Register on the NCETM website (<https://www.ncetm.org.uk/>) and take the subject knowledge audit (personal learning, self evaluation tools). Please make a note of areas that you may need to address and let us know how you got on.
- Send Rosa a copy of your CV (rosa.archer@manchester.ac.uk).

We would also advise that you take a look at the National Curriculum for Key Stage 3 and 4 mathematics and make a note of any topics that you feel less confident on and perhaps undertake some light reading. You will have at least a month before starting placement to work on your subject knowledge acquisition. If you wish to start you can look at these websites:

- Maths Genie for GCSE and A-levels revision ideas, including past papers. <https://www.mathsgenie.co.uk/gcse.html> ; and
- Corbett Maths for videos that explain maths topics and worksheets. <https://corbettmaths.com>

Please let us know of any individual needs or disability so we can support you in the best possible way. We will be more than happy to make adjustments to support you. As well as receiving support from your tutors you can register with the Disability Advisory and Support Service (DASS) at the University of Manchester. You can find further information at [xxxxx](#)

If you have any queries over the summer please do not hesitate to contact the PGCE team or any of the mathematics team. We are really looking forward to working with you all. I think the class of 2021 will be a rare vintage!

Warmest regards

Rosa Archer, Sian Morgan, David Swanson
PGCE Secondary Mathematics