

Principles of the new maths A levels

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Aims of the course

To provide delegates with

- An overview of the changes;
- An understanding of the three overarching themes (OTs) and examples of how they can permeate the teaching of A level;
- A ready-to-use linear scheme of work (for any specification) with ideas of how it can be used as a professional development tool with colleagues;
- An awareness of other courses of professional development.

Is the course appropriate for me?

This will be appropriate for any teacher who will be teaching the new maths AS/A levels. It will be particularly useful for those leading a department in implementing the changes.

What background knowledge will be expected?

We will assume you have taught at least the two AS Maths Core modules.

What do I need to bring on the day?

A laptop or tablet and a pen. We hope that you will find all the presentations from the day useful when working with colleagues in your department as you prepare for the changes. Therefore all powerpoints and handouts will be provided in electronic form on the day and you will be encouraged to annotate them during each session. We will provide Casio CG-20 graphical calculators for use on the day.

What is the content of the day?

An overview of the new specification; a close look at the three Overarching Themes with ideas for implementing them across your department; developing a linear scheme of work; preparing your department for the changes; sharing ideas with other teachers.

If you have any questions that you would particularly like answering on the day please inform the course administrator in advance who will ensure these are passed on to the presenter.

What is not covered on the day?

We do not aim to provide subject knowledge support as that will be covered in the other 'Get Set' courses.

What follow up support can I access?

You will have follow-up email support from the course tutor and access to any materials produced for subsequent 'Principles' courses.

Outline of the day:

- 09:30 Arrival, registration and coffee.
- 10:00 Overview of the changes; addressing common questions
- 10:30 Supporting your department with OT1: Mathematical argument, language and proof
- 11:25 Break
- 11:35 A linear scheme of work; embedding it in your department
- 12:30 Lunch
- 13:15 Supporting your department with OT2: Mathematical problem solving
- 14:10 Break
- 14:20 Supporting your department with OT3: Mathematical modelling
- 15:20 Carousel: sharing approaches to addressing the changes
- 15:50 Evaluation
- 16:00 Close

For course fees, application forms and further details please see www.mei.org.uk/2017-pd