



LOPD | Core Maths foundations

Online series

23rd September 2021

Overview

Please note: this course is currently being redeveloped as part of our On Demand Professional Development suite and will no longer be available in the LOPD programme. Please complete our [register of interest form](#) if you would like to be contacted when the new course is open to applications.

This course is designed to provide a sound foundation for teachers wishing to begin professional development to teach Core Maths. It comprises four topics which appear in the Higher level GCSE Mathematics course and in early Level 3 maths courses: these topics have been chosen because they present an opportunity to secure a solid and flexible understanding which can then be relied on in further study.

We would strongly recommend this course for teachers who have **not** delivered Higher level GCSE Mathematics or above or those who feel that they need to review and consolidate the topics before beginning to train to offer Core Maths.

It is also recommended for teachers of subjects such as biology, psychology and geography, and will support the mathematics elements of these subjects. It is designed as a basic foundation for our LOPD course [Core Maths common topics](#).

This course is **not** suitable for teachers already able to offer Higher GCSE Mathematics (or courses at a higher level of Maths).

This course comprises four online sessions with an experienced tutor, each up to 90 minutes in length and delivered in a small group of teachers, allowing opportunities for interaction and discussion.

Aims

- To provide teachers with an opportunity to gain a sound understanding of methods which underpin the teaching of Core Maths.
- To provide opportunities to interact with course tutors and other delegates in a small group to discuss subject knowledge, resources and teaching ideas

Who will benefit from attending?

This course is suitable for teachers who are interested in training to offer Core Maths and especially:

- Teachers of subjects other than mathematics
- Teachers who have not taught Maths at Higher GCSE or above previously.

This would also be useful for teachers of subjects other than mathematics who wish to enhance their teaching of maths skills in their own subject area.

Content

- Percentages
- Taking the fear out of formulae
- Probability
- Higher GCSE statistics topics in a Core Maths context

Other Information

The order of topics may be subject to change.

Eligibility

All teachers are eligible for this course, however free places are available only to teachers in state-funded schools, colleges and academies in England. Applications for free places will be checked to verify eligibility.

The On Demand version of this course will be available only to teachers currently working in a state funded school in England,

Please complete our [register of interest form](#) (this is NOT an application form) if you would like to be contacted when the new course is open to applications.

Cost

This course will be free of charge to teachers working in state-funded schools, colleges and academies in England.

Study Schedule

Date	Session content
Thu 23 Sep	Percentages - percentage change, different representations to aid understanding, bar modelling, multipliers, significant figures and decimal places
Thu 30 Sep	Taking the fear out of formulae - from straight lines to geometric progressions, using formulae with confidence, understanding and flexibility, common symbols
Thu 07 Oct	Probability - multiple representations for probability, public understanding, natural frequencies, conditional probability, relative risk
Thu 14 Oct	Higher GCSE statistics topics in a Core Maths context - comparing data sets, standard deviation, focus on context and generating discussion

Key Facts

Event ref:	#8562
Audience:	Teachers
Curriculum focus:	Core Maths, 11-16 maths
Mathematical focus:	Statistics
Event format:	Live Online Professional Development
Event length:	6 hours
Online sessions:	4
Region:	National
Date:	Thu 23rd Sep 2021
Course times:	16:30 - 18:00
Fee:	Free to eligible applicants.

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/8562>