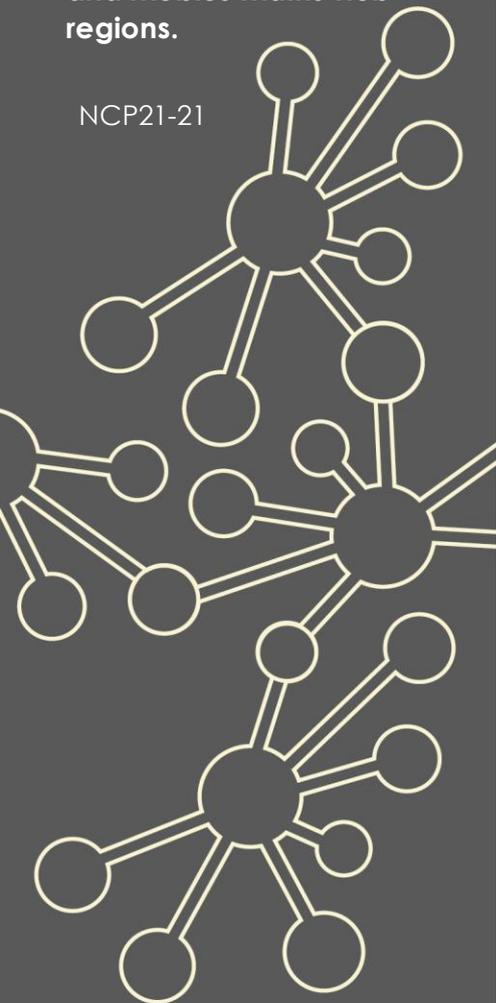


# New to Teaching Core Maths

Maths Hubs Network Collaborative Projects 2021/22

Applications are welcome from schools and colleges in the Boolean, Jurassic and Möbius Maths Hub regions.

NCP21-21



Working with



**NCETM**  
NATIONAL CENTRE FOR EXCELLENCE  
IN THE TEACHING OF MATHEMATICS

## Outline

The purpose of this online programme is to support teachers who are new to teaching Core Maths in developing specialist knowledge for teaching Core Maths and to increase their confidence in teaching the course. Technology and online teaching will be underlying themes throughout the programme. ***This Work Group, starting in September 2021, is offered to schools/colleges across the South West Region.***

*This project involves a direct working partnership between the Maths Hubs Network and the Advanced Mathematics Support Programme*



## Details

### Who can take part?

This programme is for teachers who are new or relatively new to teaching Core Maths and are teaching a Core Maths class during the Autumn and Spring terms of 2021 and 2022.

The programme will take place during the Autumn (2021) and Spring (2022) terms, starting in September 2021.

### What is involved?

**Primary focus for 2021/22: Core Maths pedagogy**

Three days (or equivalent) of online sessions. The Work Group will be designed to meet the specific needs of participants. Participants will be expected to attend all sessions.

Participants will learn about the ethos of Core Maths and why it is different to A Level Maths. The programme has a primary focus on Core Maths subject knowledge and pedagogy and will be based on these six key themes which are common to all the Core Maths specifications:

- Using contextualised problem-solving
- Making sense of finance
- Applying Fermi estimation and modelling
- Using the pre-release materials
- Developing critical analysis
- Exploring statistics.

### What is the cost?

The New to Teaching Core Maths project is **fully funded** by the Maths Hubs Programme and the AMSP so is **free to participating schools and colleges**. \*See Terms and Conditions of booking.

### What are the benefits?

Participants will:

- ✓ apply related pedagogical approaches in their Core Maths teaching
- ✓ plan sequences of lessons to promote student understanding, confidence, and progress
- ✓ effectively teach some mathematical concepts and processes through contextualised problem-solving
- ✓ understand the philosophy of Core Maths, with its approach to maths through contextualised problem-solving
- ✓ develop their subject knowledge in these six areas: Contextualised problem solving; Fermi estimation and modelling; Critical analysis; Finance; Pre-release materials; Statistics
- ✓ develop their understanding of how online learning and technology can be used to support Core Maths teaching.

## Covid-19 Recovery

Many positive lessons were learnt from online collaboration during Maths Hubs activity in 2020/21. These will be built upon in 2021/22.

As the impact of the pandemic hopefully recedes, the result for Maths Hubs work will be a blend of face-to-face activities and frequent online collaboration.



## The wider context

This programme provides sustained support and a community of practice for teachers who are teaching Core Maths for the first time. This will provide support to complement the current AMSP Core Maths professional development offer.

The impact of the pandemic from March 2020 to date in terms of school closures and variable access to remote teaching requires a strong focus on high quality teaching in the Covid recovery period.

## Expectations of participants and their schools

**Schools/colleges must be able to commit to the full academic year's programme.** This includes attendance and active participation in three days (or equivalent) of online sessions, as well as classroom and school-based activity across the two terms of the programme. School/college leadership must support participants to engage fully in the programme. See information for Headteacher/Principal below.

## About the Hub

### About the Hub

[Boolean Maths Hub](#) works with schools & colleges to support the continuous improvement of mathematics education for all students in the following local authority districts: Bath & North East Somerset, Bristol, South Gloucestershire, North Somerset and Somerset. The Maths Hubs Programme is funded by the DfE and coordinated by the National Centre for Excellence in the Teaching of Mathematics.

### Information for the Headteacher/Principal - \*Terms and Conditions of Booking

Schools must be able to commit to the full academic year's programme. This includes attendance and active participation in all sessions across the academic year, as well as classroom and school-based activities. Participants will be expected to attend all sessions and, unless there are exceptional circumstances, non-attendance and/or Work Group tasks not being completed may result in a charge to the school/college of £100.

**What is a Work Group?** [Click here to find out](#)

### Work Group locations/dates

Work Group sessions will be held online, starting in September 2021. (Dates to be confirmed)

### Work Group Lead information

Ieuan Pearse (Assistant Maths Hub Lead – Level 3)

**To book your place on this Work Group follow the link [Here](#)**

For further information please email [booleanmathshub@clf.cabot.ac.uk](mailto:booleanmathshub@clf.cabot.ac.uk)

