***WORKSHOP 1 10.00 – 11.00***

**1:1 Adrian Hall (G)**

*“Managing Cognitive Load in the GCSE Classroom”*

A workshop that does exactly what it says: discusses what cognitive load is and how it can be managed.

**1:2 Helen Geoghegan & Andrea Malkin (AL)**

*“Maths Hub Work Group Taster Session - A Level Pedagogy”*

For teachers or potential teachers of A Level Maths to find out more about what a Maths Hub Work Group is and an opportunity to try some of the typical activities that current participants have developed or used.

**1:3 James Groves (PS)**

*“All About the AEA”*

We'll take a look at the Advanced Extension Award (AEA) in Mathematics (the longest running Y13 maths challenge paper). More universities now mention the AEA in conditional offers, and the numbers of entrants have been slowly but steadily rising since the pandemic. What are AEA questions like? How do they compare with questions on other extension papers, notably STEP and TMUA? Should we encourage any of our students to sit the AEA?

**1:4 Sally Bamber (G)**

*“GCSE Resit Students and Algebra”*

This session will help us to find out whether we can integrate contextual, visual and concrete representations of Foundation Tier algebra to help GCSE resit students do better in algebra questions. We will explore fundamental ideas that can apply to expressions, equations, graphs and sequences.

**1:5 Elizabeth Scott (G, AL, FM, CM, PS)**

*“360-Degree Learning: Collaborative Learning in Action”*

Making lessons interactive with minimal preparation; students complete maths questions by working on whiteboards around the room. Immediate feedback, collaboration and problem solving.

**1:6 Cat van Saarloos (AL, CM, T)**

*“Embedding Interactive Statistics Activities”*

Looking to make your A-Level or Core Maths statistics lessons more engaging? Learn how to embed interactive activities that boost understanding without taking up valuable lesson time. Designed for classrooms where students have access to phones, these tools encourage active participation, deeper thinking, and help students see themselves in the data, making statistics more relevant and meaningful.

**1:7 Peter Tiltman (AL)**

*“Enriching the Single Maths Syllabus for High Ability Learners”*

This session will look at some resources which can be used for students studying single maths A-Level only but coming in with a grade 9 from GCSE.

**1:8 Sinead Vaughan (AL, T)**

*“Using Technology in the A-Level Maths Classroom”*

In this session, we will explore some resources for teaching Year 12 pure topics using dynamic graphing software. You will need a laptop, or as a minimum a tablet, to participate.