



The Proof Toolbox - supporting Higher GCSE and AS students in their development of Proof

Online

27th January 2022

Overview

Students at AS level will have seen a number of methods for proof in their mathematical careers but may not have managed to organise what they have seen into a coherent set of techniques which they can draw on when needed. In this session we'll look at the meta-skills of proof – not just the 'how' of it but also how teachers can transfer the experience they have built to their students

Aims

- To support teachers in finding ways to develop students learning of proof
- To encourage teachers to get the most out of the proof examples they use

Who will benefit from attending?

All teachers of GCSE and A level maths

Content

| Time | Content |
|-------|--|
| 17:15 | ● Room available for informal chat and getting comfortable. |
| 17:30 | ● What are the tools students need to work on proof? ● Getting the most from some proofs ● What are the high level messages from this set of proofs? |
| 17:50 | ● Feedback from discussions and reflect on what we've seen |
| 18:00 | ● Close |

Materials and Equipment

- A laptop or computer with microphone enabled.
- A good internet connection
- Paper and pencil, if you want to make notes (electronic copies of the resources used will be made available after the event).

The meeting will be held on Zoom, details will be sent via e-mail after sign up.

Sorry, we cannot provide you with refreshments on this occasion, but please bring your own tea/coffee and cake/biscuits

Other Information

The event was planned to be face to face but has now moved to be online and will be delivered by Jo Sibley.

Jo lives on the sunny south coast in Poole and has taught Maths and Further Maths for 21 years. She has been an FMSP Area Coordinator and is now on the AMSP National Team as the Coordinator for Online Professional Development and loves proof as a topic.

Key Facts

| | |
|----------------------------|---------------------------------------|
| Event ref: | #9190 |
| Audience: | Teachers |
| Curriculum focus: | A level Mathematics |
| Mathematical focus: | Problem solving, Reasoning |
| Event format: | Face-to-face Professional Development |
| Event length: | 1.5 hours |
| Region: | South |
| Date: | Thu 27th Jan 2022 |
| Course times: | 17:00 - 18:30 |
| Fee: | Free |

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9190>