



Dorset and South Wiltshire Online Network

It's turtles all the way down - How understanding of proof can support students moving from KS4 to KS5

8th December 2021

Overview

The Dorset and South Wiltshire Online Teacher Network is an AMSP-funded project allowing teachers of maths to meet, to collaborate and to share professional development. We meet regularly and the programme is a mixture of interactive discussion and speaker-led training events.

Content

Aims of the session:

- Teaching proof from the basics upwards, including communicating mathematically
- Transferring the proof experience you have gathered over years into the brains of your students
- Share different examples of proof and refresh our enthusiasm for challenging mathematics

In this session, we'll tackle The Problem With Proof head-on, looking at why this is the key to successful progression in mathematics and how you can incorporate proof into all aspects of your GCSE teaching in a way that will support your students' progress into post-16 study.

...but mostly we'll be looking at lots of different examples of proof in action and taking the opportunity to refresh our enthusiasm for challenging mathematics. All teachers of GCSE & A level Mathematics who would like to develop their teaching of proof would benefit from attending this network.

This session is led by our very own Jo Sibley. Electronic copies of all resources used will be available after the event.

Materials and Equipment

The session will be remote and will take place on Zoom, as such you will need a laptop/desktop computer or other internet enabled device. You will be sent a Zoom link, via e-mail, the day before the session.

You will need a webcam, microphone and headphones/speakers to engage fully in this session.

Key Facts

Event ref:	#9207
Audience:	Teachers
Curriculum focus:	11-16 maths, A level Mathematics
Mathematical focus:	Pure, Problem solving, Reasoning
Event format:	Network meeting
Event length:	1.5 hours
Venue:	Online
Date:	Wed 8th Dec 2021
Course times:	16:15 - 17:45

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9207>