

SYMH Post 16 & KS5 Update

January 2018

*Following the latest announcement by the Chancellor of the Exchequer and the implications for Maths education in our area. I would like to invite you or a suitable representative to a secondary leaders information meeting to discuss post 16 mathematics, including level 3 courses and transition from GCSE to level 3. This is to be held at Rockingham Professional Development Centre, Rotherham S61 4HY on **Friday 26th January from 8.30 – 10.30 am.***

Myself and Terry Dawson from Mathematics in Education & Industry will lead the session that aims to examine the issues raised by the Smith Review, in which Professor Adrian Smith urged the government to act to support the uptake of Level 3 Mathematics.

In brief we aim to consider

- a) The £600 funding for new level 3 maths students.*
- b) Why deliver Core Maths – what is it and how can your school deliver*
- c) Why deliver A level & Further Maths*
- d) The new Level 3 Maths Support Programme*

Whilst this session is predominantly aimed at post 16 schools and colleges, we are extending our invitation to 11-16 schools as we feel that understanding the options KS4 students have as they enter KS5 is important to support schools offer the best advice for our young people.

It would be most useful to us if you could please ask whoever is to represent your school at this event to email an intention to attend (or not) to me at psides@symathshub.org.uk Should there also be any specific questions you'd like to raise beforehand please feel free to email me and we will do our best to address these.

Pete

Contents

Network meetings

- A level & Further Maths
- Core Maths

Further Maths Conference

Enrichment for students

- Year 12 Problem Solving Conference
- Maths Inspiration

Professional Development opportunities

- FMSP Video club
- STEM insight
- Extended professional development

Network Meetings

A level & Further Maths

There will be a rolling programme of after school meetings (4 – 5.30 pm) each term addressing Core, Statistics & Mechanics in turn. [Follow link for more details](#)

Tuesday 6th February: Notre Dame, Sheffield: focus Pure Maths

Monday 26th February: Adwick, Doncaster: focus Statistics

Wednesday 14th March: Wickersley, Rotherham: focus Mechanics

To reserve a place please email petesides@furthermaths.org.uk

Core Maths teacher network

The Core Maths teacher network is a local initiative aimed at supporting teachers of Core Maths and encouraging collaboration and dialogue. These half-termly meetings will be held after school at King Ecgbert's, Sheffield. The meetings will be facilitated by Andy Barker with the support of our Core Maths expert and Level 3 lead Terry Dawson.

The South Yorkshire Maths Hub will also offer support to schools wishing to find more about Core Maths with a view to offering this new programme of learning to their KS5 students.

[Click here for link to SYMH website and further details](#)

Further Maths 1 day Conference

There are four dates & venues to choose from and will suit established as well as schools & colleges aspiring to offer Further Maths at A level.

Wednesday 28th February Leeds

Wednesday 7th March Exeter

Saturday 3rd March London

Saturday 17th March Warwick

Follow this link for flyer

<http://furthermaths.org.uk/files/fm-conferences-2018.pdf>

Enrichment for students

Y12 Problem Solving Conference

Early heads up for this event happening in the summer term. Save the date Thursday 14th June. Venue: New College Doncaster, more details to follow.

Maths Inspiration

Schools that missed out on Maths Inspiration in Sheffield might like to know that we have two Maths Inspiration shows for Year 11/12/13s in **Leeds** on Tuesday March 6th. We are at a new venue, City Varieties.

There is a poster/flyer with details of the shows here: [Follow link](#)

Professional Development

FMSP PD Video Club:

<http://furthermaths.org.uk/using-pd-videos#fmsppdvideoclub>

The idea is that each week teachers watch a 5 minute video about an aspect of teaching A level Maths/FM then join in with the conversation on Twitter using

[#fmsppdvideoclub](#)

Please pass the word on this on and join in with the conversation yourselves.

STEM insight

STEM Insight placements provide a unique opportunity for education staff to experience life in a modern industry or a leading university.

Described as professionally life-changing, STEM Insight placements equip teachers, technicians and support staff with real-life knowledge and experience, helping to bring careers to life in the classroom. Whether you'd like to attend a placement or are looking to [host a placement](#) of your own, you can play a part in inspiring the future workforce.

For more details follow this link <https://www.stem.org.uk/stem-insight>

FMSP's Sustained PD courses for A level Maths and Further Maths

Through continued government funding this year the FMSP is able to offer teachers a generous subsidy* to cover the fees for our [sustained professional development courses](#). *(course fees reimbursed on completion)**

If you, or one of your colleagues, is looking for support to develop subject knowledge and pedagogy for teaching the new A level Mathematics or Further Mathematics specifications then consider applying for a sustained professional development course offered by the FMSP.

Don't miss out! Follow [this link to a one-sheet summary](#) containing key facts about all our sustained courses, including the ones which are now taking applications.

- **Teaching Further Mathematics (TFM1)** –starts in January
- **Teaching Mechanics (TM1)** – starts in January
- **Teaching Mechanics (TM2)** – starts in February
- **Teaching Statistics (TS1)** –starts in March
- **Teaching Statistics (TS2)** – starts in March
- ***NEW* Teaching Discrete Mathematics (TD)** - starts in January

**Teachers working in state-funded schools or colleges in England are eligible for a subsidy to cover their course fee of £300 per unit for TFM, TM, TS or TD which will be reimbursed at the end of the course.*

Why register each year with the Further Maths Support Programme?

We ask you each year to re-register with the FMSP, this way we can keep your details up to date and for a minor inconvenience when schools/colleges update their registration ...

- Your current access to the legacy materials will be extended for another year until September 2018.
- You will also have access to materials for the 2017 A levels for Further Maths plus the Mechanics and Stats components of A level Maths.
- The log-in page at <https://integralmaths.org/> will log teachers into the legacy site. To access the 2017 materials they can either follow the link to 2017 once you've logged-in or bookmark <https://2017.integralmaths.org/login/index.php>
- Materials for Mechanics and Stats in A level Maths plus the compulsory core pure elements of AS Further Mathematics will be available along with material for some of the optional components.
- Additional material will be added throughout the year.
- You will receive a single student account login – this will just have the FMSP videos for the new spec on it. When students log-in to <https://integralmaths.org/> they will automatically be taken to the new site.

Access to Teacher Networks & Professional Development.

The FMSP will keep you informed of support and activities local to your school/college and update you with news and information. Information on all of our events can be found on our website www.furthermaths.org.uk .

You can update your schools registration details via our website:

www.furthermaths.org.uk/register

South Yorkshire Maths Hub Post 16 Update
Past copies of Update can be uploaded from the SYMH website [newsletter page](#).
SYMH Administrator Tara Webster can be contacted at admin@symathshub.org.uk