

## Secondary and Post-16 Newsletter

### Recruitment Special 2022-23!

#### In this month's newsletter...

- Maths Hub Catalogue 2022-23
- **Now Open!** Work Groups 2022-23 – Register of Interest
- **Apply Now!** NCETM & Maths Hubs National Programmes
  - Secondary Mastery Specialist Programme
  - PD Lead Development and Accreditation Programme
  - School Development Lead Programme
- Representation and Structure
- **Sign Up!** Secondary Non-Specialist Work Group
- Tweet Us!

### The South Yorkshire Maths Hub Catalogue 2022-23

[Check out our brand-new catalogue here!](#)

#### Register Your Interest!

#### Work Groups 2022-23

All of our planned Work Groups for the next academic year have now been announced and published onto our website;

[www.symathshub.org.uk](http://www.symathshub.org.uk)

There are many DFE funded Work Groups to choose from. Remember all of our Work Groups are **FREE TO ACCESS!** and sign up has opened so please visit our website to reserve your place now!

Through these forms you can also request a consultation call where a member of the team can help advise you which Work Groups best suit your current needs.

See below a list of all of the planned Work Groups taking place next year!

*Click the titles to take you to the website page to read even more!*

### **Secondary Teaching for Mastery Development Work Groups**

The Teaching for Mastery Programme is a professional development opportunity designed to support teachers like you to develop best practice in maths in your school. It is suitable for schools interested in implementing a teaching for mastery approach to maths.

**Apply by 11<sup>th</sup> July!**

### **Secondary Subject Leadership Work Groups**

The project is for secondary heads of department/subject leaders, and is open to heads of department in schools already involved with Maths Hubs and to those who are not yet involved. In their first year of engagement with this project, participants will be part of a Work Group. In subsequent years they will be part of a Maths Hub-led subject leadership community.

### **Secondary Maths MAT Leads Programme**

The project is for those who lead maths across multiple schools within a MAT, including at least one secondary school. This includes MAT maths leads who are continuing from 2021/22, and new participants. To better engage in the programme, participants are encouraged to have at least one school in a Secondary Teaching for Mastery Work Group in 2022/23, but this is not essential.

### **Mathematical Thinking for GCSE Work Groups**

This is for teachers of KS4 who want to further understand mathematical thinking, and devise related practical classroom strategies. Participants will be expected to lead developments in their own department and so should have the opportunity and authority to do this effectively. The project also offers an entry point into developing mastery approaches, or could support a department already involved in the Teaching for Mastery Programme.

### **Years 7-11 Coherence Work Groups**

The project offers an entry point into developing mastery approaches, or could support a department already involved in the Teaching for Mastery Programme.

### **Years 5-8 Continuity Work Groups**

This project is for both primary and secondary schools. It may be particularly suitable for linked 'families' of schools: primary, secondary, etc. A 'family' could be a secondary school and their associated (feeder) primary schools or groups of schools from within a MAT. Lead participants should be teachers of Years 5-8, ideally with some responsibility for curriculum development.

### **New to Teaching Core Maths Programmes**

This programme is for teachers who are in the first two years of teaching Core Maths and are teaching a Core Maths class during the academic year 2022/23.

### **Developing Core Maths Pedagogy Work Groups**

These Work Groups give teachers opportunities, through collaboration and

experimentation, to develop improved teaching approaches that support the open-ended problem-solving skills Core Maths students need to develop, and to share these with departmental colleagues. Work Groups may be face-to-face or online and will include school-based activities between workshops. Participants should be experienced and developing teachers of Core Maths from schools and colleges in at least their second year of teaching Core Maths.

### **Developing A Level Pedagogy Work Groups**

These Work Groups support experienced A level teachers to not only further develop their expertise but provide a model to support departmental change. Participants should be existing leaders of A level teaching or experienced teachers of A level Mathematics who wish to lead the development of pedagogy with other colleagues in their own or other schools.

### **Specialist Knowledge for Teaching Mathematics (Secondary ECT – Phase 1) Communities**

Two maths-specific subject knowledge projects are available to support secondary Early Career Teachers. Both projects offer high-quality subject knowledge and pedagogy maths support for ECTs, recognising the requirements of the ECF. Phase 1 Communities in this project are for those identified as Early Career Teachers – teachers in their first or second year of teaching.

### **Specialist Knowledge for Teaching Mathematics (Secondary ECT – Phase 2) Communities**

Two maths-specific subject knowledge projects are available to support secondary Early Career Teachers. Both projects offer high-quality subject knowledge and pedagogy maths support for ECTs, recognising the requirements of the ECF. Phase 2 Communities are for those in the early part of their careers. They will have engaged with Phase 1 before engaging with this phase.

### **Specialist Knowledge for Teaching Mathematics (Secondary Non-specialist Teachers) Programmes**

This project is designed to support non-specialist teachers teaching maths in a secondary school in developing specialist knowledge for teaching mathematics, thus enabling them to understand, teach and support students in maths in the classroom.

### **Strengthening Partnerships with ITT Providers Community**

This project aims to form an established group of ITT representatives across the sector who are committed to developing communities of practice in order to review and evolve their provision.

**[Sign up form here!](#)**

## NCETM & Maths Hubs National Programmes – Apply Now!

### Apply to Become a Secondary Mastery Specialist!

Following the success of the Secondary Mastery Specialist programme thus far, Maths Hubs, working in conjunction with the NCETM, are now seeking applications from secondary schools that wish to nominate 'lead teachers' to take part in an important three-year professional development programme leading to the designation of Secondary Mastery Specialist. Applications are now open for cohort 7!

Schools nominating teachers for this role would be committed to the development of teaching for mastery in the lead teacher's classroom, across their mathematics department and, later on, to facilitate and support the development of teaching for mastery in a small number of other interested secondary schools within their Maths Hub area.

What is involved?

- **Year One:** you participate in several professional development events and focus on developing your own classroom teaching.
- **Year Two:** your focus is on developing teaching for mastery approaches within your own department and honing your skills in leading professional development
- **Year Three and beyond:** you support key teachers in other local schools to develop a teaching for mastery approach within their own departments.

All the time, you keep in touch with other specialists across the country in online groups. You can share experiences and continue developmental conversations.

[Read more information here](#) and then [click to apply!](#)

**Deadline to apply 20<sup>th</sup> May!**

### PD Lead Development and Accreditation Programme

The aim of the NCETM and the Maths Hubs Network is to provide opportunities for all practitioners of mathematics to benefit from high quality collaborative professional development (PD). This requires that there are enough people with the skills and capacity to lead, facilitate and support the professional development of others, both within and across settings.

The NCETM PD Lead Development and Accreditation Programme (PDLDA) is designed specifically to address this need. This is part of the Maths Hubs Network's strategy to build up a group of Professional Development (PD) Leads who can support the work of local Maths Hubs.

If you have existing experience as a leader of professional development and wish to develop further in this role, this programme is for you! Applications for the next cohort are now open.

In order to apply for the 2022/23 programme, you will first need to read the [information document](#). The link to apply is within the document.

**Deadline to apply 20<sup>th</sup> May!**

## **School Development Lead Programme**

This programme is for colleagues leading change in a school or group of schools other than their own and will benefit both those who have previous experience of developing leadership capacity in schools/groups of schools or those who are new to the role.

An ongoing commitment to lead maths school development in a school or group of schools other than your own is an essential requirement for recruitment to the programme.

The programme consists of a blend of online and face-to-face workshops equating to three days. You will also be expected to undertake to plan, lead, and evaluate a maths school development initiative for a school or a group of schools other than your own during the academic year.

[Read more and apply here!](#)

**Deadline to apply 20<sup>th</sup> May!**

## **Representation and Structure**

After speaking to colleagues in schools across South Yorkshire about the needs for their department, we will be delivering some stand-alone sessions based on some key representations and structures. During these 45-minute sessions we will introduce the focus of the session and explore some secondary topics in which they can support a deeper understanding.

These sessions are open to all staff involved in the delivery of secondary mathematics in South Yorkshire, regardless of if you have worked with us before or not. They are free to attend and there is no expectation that you attend each session; join the session(s) that you think would benefit you and support your professional development.

Each session will run from 3:30pm until 4:15pm and all will take place online. In order to secure a place, please register using the links below.

**Introducing Double Number Lines and Ratio Tables – 9<sup>th</sup> May**

Multiplicative reasoning connects many areas of maths. The use of double (and triple) number lines, alongside ratio tables have transformed how I approach these topics; allowing me to make links with many key areas so that students don't see them as long lists of isolated things to learn. In this session, we will share what double number lines and ratio tables are, as well as the benefits for all students in using them

[Register Here](#)

### **Introducing Algebra Tiles – 20<sup>th</sup> June**

This fantastic resource shows that manipulatives secure a deeper conceptual understanding for students of all abilities. It was only when using them did I truly understand what we are doing when we are completing the square. We will explore simplifying expressions, factorising and expanding expressions.

[Register Here](#)

### **Moving between Concrete, Pictorial and Abstract – 4<sup>th</sup> July**

One of the most important things to consider when working with manipulatives and representations is how to move towards the abstract. Here, we will look at how to encourage students to make the transition themselves by encouraging them to spot the mathematical structures taking place.

[Register Here](#)

After registering for the session/s you would like to attend, you will receive a confirmation email containing information about joining the meeting.

## **New Cohort Starting this June! Secondary 'Non-Specialist' Specialist Knowledge for Teaching Work Group**

This year saw the introduction of a programme for secondary non-specialist teachers of mathematics being provided by Maths Hubs. Due to the increased backing of this work group by the DfE we have a new cohort starting in June.

There will be three face-to-face sessions taking place after the completion of GCSE examinations prior to the end of this academic year. The programme will then continue in September with shorter online sessions taking place. It is hoped that this approach will allow schools to significantly strengthen subject and curriculum knowledge for their non-specialist teachers prior to the start of the 2022/23 year and continue to support and develop them into the new school year.

This programme is provided for non-specialist teachers of maths in state-funded schools who fit the following definition:

*'A non-specialist teacher of mathematics is 'a teacher that is currently teaching some mathematics or has commitment from the headteacher/executive head to teach some mathematics in the next year, who has not undertaken initial teacher training (ITT) in mathematics'.*

Non-specialist teachers of maths will improve their subject and curriculum knowledge of secondary maths with a particular emphasis on mathematical structures in key areas.

Here is what some participants in the current cohort said!

"I have used the resources successfully with bottom set Y8 today so thanks for pointing out and demonstrating how to use the resources. We looked at fractions in the lesson today and the visualization was so much easier for them to access."

"Thank you. I enjoyed seeing the tiles for expanding double brackets. I am confident doing this using a grid but at the beginning it was confusing in picture form but now I understand as it was explained excellently."

"Again so grateful for all you do to support members of staff like me who are suddenly having to get to grips with KS3/GCSE material that I haven't looked at for maybe 18 years!"

Email [admin@symathshub.org.uk](mailto:admin@symathshub.org.uk) to sign up!

**Sign up by 23<sup>rd</sup> May!**

## **Tweet Us! @SYMathsHub**

Another way to keep up to date with The South Yorkshire Maths Hub is to follow us on Twitter @SYMathsHub.

We regularly tweet updates from ourselves and retweet fantastic resources shared by the NCETM. We also love to share schools and participants tweets, showing us the great impact in classrooms as a result of one of our Work Groups!

## **Contacts**

If you are interested in finding out more about your school's options please do get in touch.

**Vicki John Lewis (Maths Hub Lead) – [vjohnlewis@symathshub.org.uk](mailto:vjohnlewis@symathshub.org.uk)**

**Vicci Marshall (Secondary Lead) – [vmarshall@symathshub.org.uk](mailto:vmarshall@symathshub.org.uk)**

**Tara Webster (Maths Hub Coordinator) – [admin@symathshub.org.uk](mailto:admin@symathshub.org.uk)**

### **Newsletter registration**

We collect and hold data of individuals who have registered to receive e-newsletters we send as part of our role in coordinating the South Yorkshire Maths Hub. The data includes name, school and email address. This data is used solely for distribution of newsletters and Hub related communication and is not shared. Personal data held for the distribution of newsletters will be retained until such point that you contact us to request that we remove your data from this list.

If you have any questions or concerns around our privacy policy please contact [admin@symathshub.org.uk](mailto:admin@symathshub.org.uk) or [data@notredame-high.co.uk](mailto:data@notredame-high.co.uk)