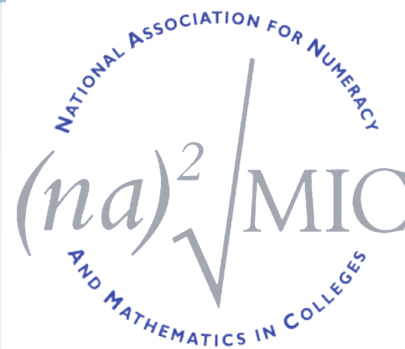


The National Association for Numeracy and Mathematics in Colleges (NANAMIC) provides professional development for numeracy and mathematics teachers and is a voice for the post-16 learning and skills sector.

March 2020

NANAMIC Update

March 2020



Thoughts from the chair

NANAMIC is looking forward to joining the Mathematical Association for a joint conference at Easter time. This is a change from our usual July conferences.

If you have not already booked then, if you are a member of NANAMIC, you are entitled to a saving of £50 if you join us for all three days (14-16 April 2020). We would love to see you. The price, including accommodation and food, is just £349. Alternatively, you could come on Wednesday 15 April as a day visitor for just £119, saving £40 on the non-member rate. These prices are for members only. Complete the [application form](#) NOW to secure your place.

There are some sessions at the conference that we would like to encourage you to attend. On Tuesday afternoon, Jenny will be sharing about her research into low confidence among adult learners and Diane will be sharing about the latest interim report into the FE college workforce. More details of this can be found on page 6 with its recommendation to spend more on training the mathematics workforce. On

Continuing Professional
Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



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We feature updates from national maths bodies

- NCETM
- ETF
- MEI
- STEM



.. Continued from front page

Wednesday morning, Stella from MEI will be presenting on “A new maths GCSE curriculum for post-16 resit students.” Links to this report can be found on page 8.

We recognise that not everyone can make it to the conference and, because we will not be having our own conference in July, we would like to offer opportunities for you to be involved. We are working with our colleagues at MEI to organise a webinar on the proposed post-16 GCSE curriculum mentioned above. We will be sending out a separate notification of how you can listen to this.

We are also planning to have a virtual AGM this year. My present thought is around 12:30-12:50 on Monday 13 July, but this can be changed if enough members would prefer a different time/date. Email admin@nanamic.com to let us know your thoughts and if you think



this will not work for you. We want as many to join the AGM as possible.

John

The AMSP has more than 40 Area Coordinators throughout England. Area Coordinators work with schools and colleges in their area to:

- support and promote the study of Core Maths, AS/A level Mathematics and Further Mathematics
- arrange AS/A level Further Mathematics tuition for students when their schools and colleges cannot provide it themselves
- organise enrichment events for Key Stage 3, Key Stage 4 and Key Stage 5 students, often involving links with local universities and employers
- Provide a wide range of flexible professional development opportunities for teachers

Additional support is available to schools/colleges located in AMSP Priority Areas.

Visit: amsp.org.uk



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NCETM primary and secondary PD

The NCETM have replaced the newsletters with the NCETM Secondary Roundup. You can check out their February issue [on their website](#).

To ensure you receive future issues direct to your inbox, please sign up here <https://www.ncetm.org.uk/news/52969>.

Education and Training Foundation courses

ETF courses' news is available [here](#). It contains details of their courses and QTLS. You also need to contact them if you are interested in becoming a member of the Society for Education and Training (SET) or in obtaining Advanced Teacher Status (ATS).

The ETF bring you [FE news](#)

Skills for life network

The latest newsletter is available [here](#).

MEI Mathematics in Education and Industry

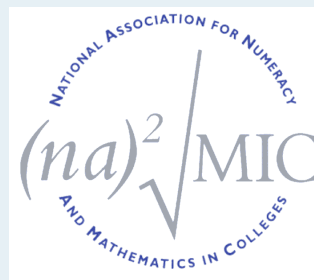
The latest MEI Newsletter is available [here](#).

CfEM Centres for Excellence in Maths

The latest CfEM Newsletter is available [here](#).

STEM Learning

The National STEM Centre's latest Secondary and FE Newsletter can be found [here](#).



As a registered charity NANAMIC is able to reclaim tax on your subscriptions for the past 4 years, if you paid them yourself and if you pay income tax. Please complete [the form](#) to allow us to do so. It will only take you 1 minute.

Have your say

Do you have a viewpoint you would like to share through our bi-monthly newsletter? Then send it as an editable document (e.g. Word) to :

[newsletter@nanamic.org.uk](#)

We will publish those we consider may be helpful to the post-16 mathematics community.



The MA and NANAMIC
invite you to our joint



ANNUAL CONFERENCE
14TH - 16TH APRIL



EXPLORATION AND INSIGHTS

Exploration and Insights

Venue

We are delighted to announce that the 2020 Annual Conference will be held at Wyboston Lakes Resort, Wyboston, Bedfordshire from **14 - 16 April 2020**.

Directions to [Wyboston Lakes Resort](#)

About this Conference

Our conference theme *Exploration and Insights* is intended to offer delegates an invaluable opportunity to explore new ideas in a lakeside setting designed to maximise face-to-face learning and sharing. As an organisation we are responding to the financial challenges faced by many schools by restructuring our conference packages. Delegates are able to select from a competitively-priced range of cost-effective options - from half days and single days to the full conference experience - we are particularly excited to offer our innovative "middle day" option offering a full day of classroom-focused workshops, with optional evening BBQ and quiz which we hope will prove very attractive for our teaching members. Delegates, and their partners, should note that the venue also offers a superb range of leisure facilities and a relaxing spa which are all available at an additional charge.

PRESIDENTIAL ADDRESS
EMS LORD
 DIRECTOR OF NRICH



PLENARY SPEAKERS

CHRIS SMITH
JO MORGAN
CRAIG BARTON

Held at the beautiful location of
 Wyboston Lakes Resort,
 Bedfordshire



	MA/NANAMIC Members	Non-members
	Price	Price
Full residential	£349	£399
Student Member Full residential	£269	-
Full attendance non-residential	£269	£329
Student full attendance non-residential	£189	-
Day delegate, includes lunch (Wed)	£119	£159
Half day delegate (Tues or Thurs)	£89	£119

NANAMIC Members - to take advantage of the discounted membership rates please [complete this form](#) .



A new Nuffield-funded report into the state of mathematics education across England's further education sector has found that major investment in leadership training and teacher professional development is required to make more significant and sustained improvements.

The Nuffield Foundation has released this overview of the report on their website:

"The Mathematics in Further Education Colleges Project (MiFEC), led by academics from the University of Nottingham's School of Education, is the most extensive research yet into the changing state of mathematics education in England's further education colleges.

In their report, the team explain how a range of policies, processes, and people interact at different colleges and across the FE sector, to either support or hinder improvement in mathematics learning.

Changes to the GCSE re-sit policy - which aims to tackle low prior attainment and increase GCSE passes in maths at grade 4 - has raised the status of mathematics in colleges. However, fewer than 20% of 16 to 18 year-olds pass their GCSE maths resits.

Interviews with students and staff highlighted the complex challenges of providing good mathematics education to 16 to 18 year-olds in FE colleges. The researchers found that variations between colleges, in management and operational strategies, curriculum and teaching approaches, as well as in the attitudes and aspirations of students, need to be better understood by policymakers, managers and teachers if more young people are to make progress in mathematics. To achieve these improvements the report recommends investment in professional development by:

- Establishing a national programme of training and professional development for the cross-college managers of mathematics who are critical to driving system improvements.

We have previously notified you of the extensive research being carried out by the University of Nottingham into the state of mathematics education across England's further education sector. A further interim report has been published.

- Better understanding of, and training for, the distinctive challenges of teaching students with low GCSE grades and disengaged post-16 learners in FE colleges for whom mathematics is now compulsory.
- Developing teachers' expertise in using and adapting teaching methods that are responsive to FE students' personal, academic, vocational and emotional needs, allowing them to build confidence and resilience.

Many of those interviewed by the researchers did not consider the current qualifications and curriculum pathways to be appropriate for low-attainers. Moreover, students can be offered different opportunities depending on which college they happen to attend.

Professor Andrew Noyes from the University of Nottingham's School of Education said: "The importance of mathematical skills to individuals, to the economy and to society is well documented and widely agreed upon. Increasing the skills base in England is therefore a national priority as evidenced in the Industrial Strategy. Our comprehensive analysis shows that these improvements cannot be achieved simply or cheaply. If the Government is committed to long-term sustained improvement in mathematics skills for all students up to the age of 18, it must invest substantial resources into doing so, and avoid the regular changes in policy that can hinder progress."

Cheryl Lloyd, Education Programme Head at the Nuffield Foundation said: "Post-16 maths is a key priority for the Nuffield Foundation as we want all young people to have the skills needed to thrive in our society. This report provides important insights into the complexities of maths education in the post-16 system, highlighting the value of investing in the professional development of teachers in further education colleges to improve the outcomes of post-16 maths students. We look forward to the publication of the research team's final report later this year which will also draw on analysis of student progression and the views of young people."



The full report can be downloaded from here <https://www.nuffieldfoundation.org/project/mathematics-in-further-education-colleges-mifec/>

NEW Post 16 GCSE Mathematics

Throughout 2019, MEI worked in consultation with key stakeholders to develop a new curriculum in maths for post-16 GCSE students with a greater emphasis on applying maths in realistic contexts. This project included a small-scale study to assess the suitability of the curriculum as a basis for an alternative to the existing GCSE Mathematics. The project aimed to address the recommendation of the Smith review that "In view of the low GCSE resit success rates and new GCSE requirements, the Department for Education should review its 16-18 resit policy with the aim that a greater proportion of students without a grade C or equivalent attain appropriate mathematical understanding by age 18. Specifically, there should be fresh consideration of appropriate curricula and qualifications for these students and the extent to which current policy incentivises these to be offered".

The report, published in January 2020, outlines a curriculum for a new qualification that focuses on the maths needed for everyday life and work, which also has sufficient rigour to meet the requirements of a GCSE qualification. It recommends that such a post-16 maths GCSE qualification should be developed and that it should have the same status as GCSE Mathematics at the same grade. It should also include a paper that can be taken early as a stepping-stone.

The proposed new post-16 maths GCSE would be available at Foundation tier only (grades 1-5). This is appropriate for the majority of resit students as over 90% of resit GCSE Mathematics entries are for the Foundation tier. Those resit students likely to benefit from taking the Higher tier (grades 4-9) are well served by resitting the standard GCSE Mathematics.

Links to the full report and executive summary can be found [here](#).



Updates

OCR have decided to withdraw their Functional Skills qualifications from the end of 2020

<https://www.ocr.org.uk/administration/support-and-tools/siu/functional-skills-575482/>

ETF Newsletter

<https://email.etfoundation.co.uk/4XJY-ATQA-1C1IVKY75C/cr.aspx>

Centres for Excellence in Maths Newsletter

<https://mailchi.mp/5e309eb1115d/centres-for-excellence-in-maths-newsletter-february-2020?e=7cfc54f12a>

We are always happy to recommend Tarquin products. Their latest catalogues can be downloaded here

<https://www.tarquingroup.com/latest-catalogues>

The Government announced details of its proposals for additional £400 million funding for FE in 2020-21, including up to £24 million to recruit, retain and develop excellent teachers. The full details can be found here

[https://www.gov.uk/government/news/multi-million-pound-support-package-to-boost-the-fe-workforce?](https://www.gov.uk/government/news/multi-million-pound-support-package-to-boost-the-fe-workforce?utm_medium=email&utm_source=govdelivery)

[utm_medium=email&utm_source=govdelivery](https://www.gov.uk/government/news/multi-million-pound-support-package-to-boost-the-fe-workforce?utm_medium=email&utm_source=govdelivery)

NANAMIC membership

Being a member of NANAMIC is very cheap at only £20 per year. As a member, you can attend any of our events, including either of our annual conferences.

NEWS EXTRA

NANAMIC continues to be active on twitter. Please follow us @NanamicCio for the latest news, updates and events.

National Association for Numeracy and Mathematics in Colleges CIO

Email admin@nanamic.org.uk

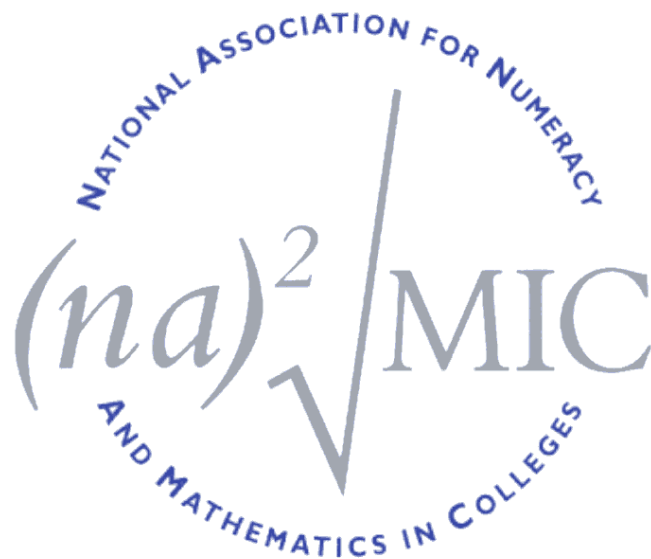
Website www.nanamic.org.uk

Telephone 07757 816402

Principal office: 8 Chelmsford Rd, London E18 2PL.

If you are interested in joining NANAMIC please complete the application form on our website and email it to admin@nanamic.org.uk.

The easiest way to pay your membership is by credit/debit card using our PayPal. The link on the webpage is set-up to automatically renew your membership each year.



Registered charity number 1154042.