



TEACHER OF MATHEMATICS

Information for Applicants

November 2021

The Mathematics Faculty

The Mathematics Faculty at Farlingaye High School consists of a hardworking and friendly group of teachers whose aim is to allow students to experience the imagination, creativity and beauty inherent within Mathematics.

The Faculty believes that every student should experience an enriched mathematical curriculum. This includes:

- the study of mathematics beyond the standard curriculum
- experiencing alternative and creative approaches to topics
- making connections between aspects of mathematics usually met separately
- the study of the history and development of some of the deepest ideas of mathematics

We are proud of the way we work together as a team, sharing good practice and supporting each other. The department is a very stimulating and enjoyable place to work and I am sure that any new member of the team will be made to feel welcome and enjoy working with us.

We do not believe that Maths should be confined to the classroom, so we offer an expanding range of extra-curricular activities. These have included trips to London and Cambridge, a variety of competitions and quizzes and a wide range of Maths Clubs. All students have the opportunity to enter Mathematical Challenges at junior, intermediate and senior levels. Time and resources have been allocated in order to extend all of these activities.

We are offering an exciting full-time permanent opportunity to an enthusiastic teacher to work as part of a dynamic team, starting in September 2022. If you feel that Farlingaye is a school where you could make a contribution and would like to hear more then do not hesitate to contact me, or Dr. Andy Sievwright, Headteacher, to talk about the post further.

Andrew Gemmell
Head of Faculty

MEMBERS OF THE MATHS TEAM

Some insight into the range of Faculty responsibilities is given below.

Andrew Gemmell, Head of Faculty. Andrew was appointed in 2008, having previously been 2nd in Maths since 1999. He has responsibility for:-

- Key Stage 5
- Analysis and evaluation of A level data
- Monitoring teaching and learning
- Faculty discipline / support

Nick Trett, Second in Faculty. Nick has been with us since September 2001 and was appointed Second in Faculty in 2009. He has responsibility for:-

- Key Stage 4
- Monitoring teaching and learning at KS4
- Analysis and evaluation of KS4 results and targets
- Support of colleagues in faculty discipline procedures
- ITT Mentor

Rebecca Spearpoint, Rebecca was appointed in September 2008 and has responsibility for:-

- Key Stage 3
- Monitoring teaching and learning at KS3
- Analysis and evaluation of KS3 results and targets
- Support of colleagues in faculty discipline procedures
- Other initiatives in the faculty

Jack Brooks

Jack is a teacher of Maths and Core Maths and he is a Year Co-Ordinator.

Maddy Anders

As well as teaching Maths, Maddy is the Leading Edge Coordinator.

Laura Gilbert

Laura is a teacher of Maths who joined us in September 2020.

Werner Hefer

Werner is an experienced teacher joined us in September 2021.

Sophie Kardi

Sophie is a teacher of Maths involved with the training of new teachers.

Chris Moran

Chris is an Assistant Headteacher, who was formerly Head of Maths in the school.

Louise Gilmour

Louise is a Deputy Headteacher.

Carrie Rowe

Carrie is a teacher of maths and has responsibility for running a number of faculty events.

Craig Stuart

Craig is a teacher of maths and has responsible for primary liaison.

Tom Sperling

Tom is a teacher of Maths and is in charge of the Maths Challenges.

Alan Turner

Alan joined Farlingaye in September 2016 as teacher of Maths.

Graham Tait

Graham is a teacher of Maths and Head of Year in the Sixth Form.

Julie Moore

Julie is an experienced teacher of Maths and is our SENCO.

Jessica Palmer

Jessica is a teacher of maths and the school numeracy co-ordinator.

Rob Davies

Rob works with small groups of students delivering targeted intervention.

Summary of aims and vision of the faculty

- To provide a wide range of mathematical experiences through which we can demonstrate the fascination of mathematics.
- To show that, in spite of current sentiment to the contrary, the wellsprings of mathematics are not utility and relevance, but creativity, imagination, and an appreciation of the beauty of the subject.
- To help students appreciate that mathematics is an essential element of communication.
- To cover the National Curriculum without being restricted by it and thus give all our students the best possible preparation for their public examinations.
- To enable students to work co-operatively or independently as appropriate and to have the confidence to explore new areas of mathematics in depth using initiative and flexibility of mind.
- To encourage students to reflect on and take an active role in their own learning.

KS3 Curriculum

The KS3 course is theme based where a 'big' idea of mathematics is studied. Four themes are studied over the course of a year. The range and content of the national curriculum is met through study of these themes.

The aim of the KS3 course is to allow students to firstly appreciate mathematics as a mass of inter-connected ideas and secondly to view the subject as one of creativity and imagination.

The themes met in Year 7 are: Tiling the Plane, Iteration, The Golden Ratio and Graph Theory. In Year 8 the themes are: Number Theory, Game Theory, Conic Sections and Topology.

KS4 Curriculum

Students follow the OCR specification.

As with Key Stage 3, problem solving is central to students' experiences. Ratio and proportion are the central themes to the scheme of work.

KS5 Curriculum

Mathematics is a popular and successful subject at A-level.

From September 2019 students will study Maths and Further Maths using the OCR specification having previously been with MEI.

Accommodation, Facilities and Resources

The Mathematics Faculty has eleven classrooms on the first and second floors of the main block, one of which houses 29 computers. As far as possible each teacher has their own room where they do most of their teaching.

The Faculty is very well resourced with a wide selection of mathematical equipment. Nine of our classrooms have interactive whiteboards. All teachers in the faculty have a laptop for use in the classroom and to aid in the preparation of lessons.

Members of the Faculty are able to book our computer room to help aid the teaching and learning of mathematics. We make use of a range of maths specific software including Autograph and Geometers Sketchpad.

We are continually looking for ways to further develop the use of our resources in order to further enrich the learning experience and all staff contribute to this work, sharing ideas informally and also in Faculty meetings and CPD sessions.

Extra-Curricular Activities

We offer a large range of extra-curricular activities.

Puzzle Club is for Year 7 and 8 students. It is a weekly lunch-time club offering puzzles and a variety of mathematical activities. Cipher club is a national competition that more able KS4 and A-level students participate in.

Each year approximately 300 students take part in the UKMT challenges at Junior, Intermediate and Senior levels. We also enter students in team UKMT challenges and quizzes.

Leading up to the examinations we offer out of lesson support. This is run as individual teacher support but is shared across the faculty.

Mathematics Exam Results

Key Stage 4

	A*-C grade 4+
2020/2021	teacher assessed
2019	79%
2018	81%
2017	77%
2016	80%
2015	87%
2014	84%
2013	81%
2012	75%

A Level

	Mathematics		Further Mathematics	
	A*-B	A*-E	A*-B	A*-E
2020/2021	teacher assessed		teacher assessed	
2019	74%	100%	82%	100%
2018	84%	100%	82%	100%
2017	74%	99%	76%	100%
2016	68%	97%	100%	100%
2015	59%	97%	75%	100%
2014	75%	100%	90%	100%
2013	67%	96%	86%	100%
2012	73%	98%	100%	100%

THIS POST

Starting in September 2022, we have an exciting and excellent opportunity for a full time outstanding teacher of Maths to join this oversubscribed and successful school. Farlingaye provides an excellent support programme for newly appointed staff with an innovative CPD programme and lots of opportunities for development. The post would be suitable for both an ECT or for an experienced teacher.

There is a huge emphasis on teaching and learning with lots of really exciting activities. We teach just 3 lessons a day and staff have a maximum of 84% timetable, with ECTs teaching less than this. The person appointed will be assured of considerable support; we are a very successful, enthusiastic, hardworking faculty who are keen to share ideas and the principle of mutual professional support is paramount. We are fortunate in having a good catchment, with supportive parents. The SLT and pastoral structures are very effective and consistent.

All new staff are offered a mentor and we operate a line management system with the Head of Faculty for curriculum matters and the Head of Year for pastoral matters. All staff are ultimately responsible to the Headteacher.

The following is taken from the job description for a main scale teacher. We apologise if it sounds a bit formal, but it does show what is expected:

The general responsibilities of an MPR post include:

- to teach as directed by the Headteacher;
- to work at the direction of the Headteacher and the Head of Faculty to enable the efficient delivery of the curriculum identified through Schemes of Work and in line with the National Curriculum;
- to promote attainment at the highest level of all students through effective teaching;
- to maintain accurate and appropriate records of students' learning and achievements in line with other schools and faculty agreed policies;
- to regularly set and mark homework, classwork and coursework in line with the agreed school policy;
- to write regular reports to parents in accordance with the agreed school policy;
- to provide subject information to parents and attend parents' meetings and respond to parents' enquiries as required by the Headteacher and Head of Faculty;
- attend Open and Information Evenings as required by the Headteacher within the agreed school's time budget allocation;
- attend appropriate meetings and in-service training within the agreed school's time budget allocation;
- to undertake faculty responsibility as reasonably directed by the Head of Faculty;
- to maintain in good order teaching room/area and resources for learning, including text books, student materials and equipment;
- to promote and celebrate achievement by students through the implementation of the school's rewards policy and effective use of display;
- to maintain effective discipline through implementation of the school's agreed procedures;
- to take part in the school's appraisal scheme;
- to inform Head of Faculty or LT of concerns that may affect Health & Safety of school population;
- to implement all agreed school policies.

All new staff will be tutors and will undertake the following:

- to attend year team and other relevant meetings;
- to act as a form tutor
- to promote the attainment of all students within the relevant tutor/year group;
- to maintain effective discipline and the agreed uniform code through implementation of the school's agreed procedures.

APPLICATION PROCESS

If you are interested in this post, please apply using our on-line application process which can be found on the school's website www.farlingaye.suffolk.sch.uk under 'Join FHS'. Applications should be submitted as soon as possible but by **12.00 noon on Wednesday, 1st December 2021** at the latest.

As part of the on-line application process you will need to confirm your email address and then complete a series of standard application form questions. In addition, you are required to submit a supporting statement/cover letter. Please be aware that the information in your supporting statement along with your application form will be used to shortlist applicants for the role and therefore it is important that you provide enough detail to give a full picture of your skills and experience and how they meet the specific needs of the role.

Our on-line process allows you to save and return to your application if you are unable to complete all the questions at one time.

If you require any further information regarding the job role or application process, please contact Pete Smith, Deputy Head at the school on 01394 385720.

The successful candidate will have to meet the requirements of the person specification in order to be offered the post and will be subject to an enhanced DBS check. This Academy is committed to safeguarding and promoting the welfare of children, young people and vulnerable adults and expects all staff and volunteers to share and adhere to this commitment. Enhanced DBS checks are required for all posts.

CHILD PROTECTION POLICY

At all times the Headteacher and governing body will ensure that safe recruitment practices are followed. At Farlingaye High School we require evidence of identity and original academic certificates. We do not accept testimonials and insist on taking up references prior to interview. We will question the content of the on-line application form during the interview if we are unclear about them, we will undertake enhanced Disclosure & Barring Checks (DBS) and use any other means of ensuring we are recruiting and selecting the most suitable people to work with our children.

INTERVIEW PROCESS

The purpose of the interview is to assess your suitability for the above post and give both the panel and yourself an opportunity to gain further information before making a successful appointment. It is also an opportunity to seek clarification on information that you have provided via the on-line application form and accompanying information. The interview will assess your suitability to work with children and will include questions relating to safeguarding and promoting the welfare of children.

If you are invited for interview, you will be asked to teach a lesson:-

TIMING: 40 minutes

STUDENTS: approx. 25 Year 7 students of middle to high prior attainment

TOPIC: **Problem Solving**

Your lesson can be any activity that involves problem solving.

The lesson will be taught in a standard classroom with a whiteboard and data projector linked to a laptop. If you require the use of one of our laptops, please let us know. Other resources are available on request.

We will also undertake reasonable amounts of photocopying if required.

If you would like to discuss your ideas and/or organise any other resources, please contact Andrew Gemmell, Head of Faculty at the school on 01394 385720 before the day of your interview or email: agemmell@farlingaye.suffolk.sch.uk

Interview Date: Tuesday 7th December 2021

Please note that current or previous employers will be contacted as part of the verification process. We require two work-related referees to be listed on your on-line application form and we will contact those referees before interviewing.