



# **Teacher of Science**

## **Information for Applicants**

**June 2021**

## Welcome to the Science Faculty

Thank you for your interest in this permanent full time post for a MPR/UPR Teacher of Science. The role will start from September 2021. It is an exciting opportunity for an outstanding Science teacher to join this oversubscribed and successful school.

The Science Faculty at Farlingaye High School is an enthusiastic, friendly and very committed group of teachers and technicians. The Faculty work together as a team, sharing good practice, writing schemes of work and offering support to one another. We are inspired by a love of Science and have high expectations of our students.

Within the faculty we have strong links with our primary schools supporting such events as the Year 3 Maths Days and the Year 5 ICT Days. We deliver lessons for Year 6 students during their taster day at the school, which they all enjoy. In September we had the opportunity to engage the year 6 students from our feeder schools with an exciting Science show as part of their first curriculum day here. They thoroughly enjoyed it and were really positive about Science in the future. We do not believe that Science should be confined to the classroom and we offer a weekly Key Stage 3 Science club as well as competitions and field trips for our students. We organise weekly Science Seminars where staff and sixth form students deliver on a topic of their choosing outside the curriculum and these are very popular. Over the last few years we have organised a very successful Biology week to link in the national events and activities including a trip to the Natural History Museum, breakfast *Berries and Bird song*, a small mammal hunt around our school grounds, and some example dissections of a rat and a frog. Representatives from the British Trust for Ornithology came in to work with some of our students as part of an on-going project. In Chemistry students take part in the annual *Cambridge Chemistry Challenge* exams as well as the Olympiad. In Physics students are provided with lots of extra support and guidance outside of the classroom. The students have recently been offered trips to the Big Bang fair, Inspiring Physics lectures and, in September, Cambridge science centre ran a week-long series of sessions on renewable energy from the school.

Leading up to exams we offer a wide variety of revision sessions to GCSE and 'A' level students. These include after school and lunchtime sessions and some master class type sessions in the holidays, and taking part in school-run away days for year 11 students. Throughout the year lunchtime drop-in sessions are offered for each subject.

Within Science we try to focus on inspiring and creative lessons. This is an exciting time to join the school and we hope you will feel that this is a place where you can develop your expertise and gain experience, whilst making a genuine contribution to the Science Faculty and the opportunities for the great students we have at this school.

May we draw your attention to the lesson you will be asked to prepare and teach, should you be called for interview. The details are attached to the back of this booklet.

If you have any queries regarding this post please do not hesitate to contact either of us on the school telephone number or by email: [slucking@farlingaye.suffolk.sch.uk](mailto:slucking@farlingaye.suffolk.sch.uk) and [cimoran@farlingaye.suffolk.sch.uk](mailto:cimoran@farlingaye.suffolk.sch.uk) or Dr Andy Sieviewright, Headteacher, to talk about the post further.

Simon Lucking and Claire Moran  
Co-Heads of Faculty

## SCIENCE FACULTY STAFF

### **Simon Lucking**

Simon joined the school in July 2005 and is the Co-head of Faculty as well as Head of Physics, responsible for the teaching and learning in that area, monitoring and supporting students and staff in this curriculum area. He teaches KS3, KS4 and A level Physics.

### **Claire Moran**

Claire joined the school in May 2000 and is the Co-head of Faculty as well as Head of Chemistry, responsible for the teaching and learning in that area, monitoring and supporting students and staff. She teaches KS3, KS4 and A level Chemistry as well as the level 3 certificate in Applied Science.

### **Mark Austin**

Mark joined the school in September 2017 and is a Biologist.

### **Matthew Barrie**

Matt joined the school in September 2014 and is an experienced Physics teacher. He has responsibility for helping to further develop teaching and learning in Physics. He organises the running of the weekly Science club. He also shares the role of Key Stage 3 Co-ordinator.

### **Gemma Biran**

Gemma is in her eleventh year of teaching and is the Science faculty SEN link. She currently teaches KS3, KS4 Core and Additional Science and A level Biology.

### **Emma Broome**

Emma is a Biologist. She re-joined the school in May 2019 after having worked for us before from 2010 to 2017.

### **Tanya Butcher**

Tanya re-joined the school in March 2017 after having worked for us before from 2006 to 2011. Tanya is a Biologist.

### **Rebecca Cresdee**

Rebecca joined the faculty in September 2015 year and is a Biology Teacher. She teaches KS3, KS4 and A level Biology.

### **Rebekah Ellis**

Becky joined the in September 2016 as an NQT having trained with us the year before and is a Biology teacher. She currently teaches KS3, KS4 and A level Biology. Becky is head of year 12.

### **Jonathan Harker**

Jonathan joined the school in 2008 as the Key Stage 4 Co-ordinator. He is responsible for the Combined Science GCSE courses. Jon currently teaches KS3, KS4 and A level Biology.

### **Tim Harrison**

Tim is a Biology teacher who trained with the school whilst completing his Homerton PGCE course and joined us in 2014. He teaches KS3, KS4 and A level Biology. He runs the school Green council and also shares the role of Key Stage 3 Co-ordinator.

### **Sally Jackson**

Sally joined the school in 2009. She teaches KS3, KS4 and A level Chemistry.

**Charlotte James**

Charlotte joined the faculty in September 2020. She is a Chemistry specialist and also teaches the level 3 extended certificate in Applied Science.

**Thomas Moore**

Tom joined the faculty in September 2014. He is a Biology specialist and currently teaches KS3, KS4 and AS level Biology. Tom is responsible for the level 3 certificate and extended certificate in Applied Science.

**James Parks**

James joined the school in September 2012 and is the Head of Biology, monitoring and supporting students and staff in this curriculum area. He teaches KS3, KS4 and A level Biology.

**Steve Skidmore**

Steve joined the faculty in September 2015. He is a Chemistry Teacher and teaches KS3, KS4 and A level Chemistry. Steve is an Assistant Year Learning Co-ordinator.

**Vicky Stuart**

Vicky joined us as a PGCE student then as an NQT in 2008. She is Head of Sixth form and currently teaches KS3, KS4 and A level Biology.

**Nicola Tooke**

Nicola joined the faculty in 2014 and is an experienced Physics teacher. She currently teaches KS3, KS4 and A level Physics.

**David Williams**

David joined the school in September 1999 and teaches Physics. He is the ICT link for the Science faculty.

**Clive Stevens**

Clive joined the school in September 2013 as the Senior Science Technician responsible for the day to day running and organisation of equipment. He is mainly responsible for Physics preparation across the faculty.

**Kirstij Barrell**

Kirstij is a part time Science Technician who joined the school in March 2010 and is responsible for the preparation of Biology lessons.

**Danielle Reid**

Danielle is a full time Science Technician with Chemistry specialism who joined the faculty in November 2018.

**Oliver Smith**

Oliver is a full time Science Technician who joined the school in October 2016.

**Victoria Gee**

Victoria is our 1:1 Science pupil premium support assistant.

## **AIMS AND VISION OF THE SCIENCE FACULTY**

Our aims as Science teachers and technicians:-

- to stimulate students and create an interest in Science so that the study of the subject is enjoyable and rewarding;
- to help all students, irrespective of gender, race, culture or ability, develop to their full potential;
- to maintain a safe, ordered and purposeful learning environment;
- to develop experimental and investigative abilities;
- to help students develop an informal interest in matters of scientific import in everyday life;
- to help students acquire a systematic body of scientific knowledge and be able to apply this to a rapidly changing world and environment in its widest context.

The Science Faculty is fully committed to continuing improvement in the quality of teaching and learning. Teachers have high expectations of all students and provide a supportive environment in which students are challenged and encouraged to develop to their full potential.

## **CURRICULUM**

### **Key Stage 3**

In Years 7 and 8, students are taught in mixed ability tutor groups. All groups have four periods per fortnight of 100 minutes. The students are broadly following the "Exploring Science" scheme of work which is one of the most popular SOW in the UK. With the increased curriculum flexibility, we are currently updating our two-year course for the KS3 SOW which is completed by the end of Year 8. Students then start some GCSE course units in Year 9.

### **Key Stage 4**

Students in Year 9 have started their GCSE courses and in year 10 they then move onto either AQA Trilogy Combined Science or they can choose the AQA Separate (Triple) Sciences route as part of the option pool system which gives them additional 2 periods per fortnight to enable the three separate GCSE courses to be taught over the 2 years. Each half of the year group is split into sets by ability. The teaching team mostly teach their specialism at KS4, so most groups have three teachers.

### **A level**

The number of students studying Science A levels: Students of Biology, Chemistry and Physics are following linear A level courses over two years. In year 13 there are 36 students studying A level Biology (AQA), 35 students studying A level Chemistry (OCR B) and 25 students studying A level Physics (OCR A). In Year 12, there are 68 students studying Biology, 52 students studying Chemistry and 38 students studying Physics. We also run a level 3 Certificate and Extended Certificate in Applied Science which has 3 students in year 13 and 17 students in year 12. A level groups are split between two members of staff (three for Applied Science) and each subject has 6 x 100 minutes of taught lessons per fortnight.

Students have good access to staff and are supported well beyond the lab and lesson time with additional revision classes, weekly drop-in sessions and a well-developed SharePoint site for all of the courses.

## **ACCOMMODATION, FACILITIES AND RESOURCES**

The Science Faculty is housed in fifteen laboratories. All laboratories are at ground floor level, with a large Preparation Room (plus an additional Preparation Room in the Sixth Form block) and Team Room as the central focus. We also have a Resources Room for secure storage of Tests and ICT equipment. Each lab is equipped with basic equipment.

The Faculty has 4 moveable suites of laptop computers. It is also possible to book into more extensive computer facilities elsewhere in the school. We also have a wide range of additional simulation software for use at KS3, KS4 and 'A' level courses. We make very good use of the computer network shared area to have all our resources available to staff and students. We frequently use the SharePoint site with classes and for our video library and electronic schemes of work.

## **EXTRA-CURRICULAR ACTIVITIES**

Science club runs for Years 7 and 8 and usually meets on a Tuesday lunch time. A joint Green council / Go Wild club runs weekly. Science seminars run each Friday lunchtime on a variety of topics to broaden students' experience of science beyond the curriculum. A level trips are organised regularly. Throughout the year each subject organises a lunchtime drop-in surgery, where students can get extra help with any aspect of their Science work. Revision sessions take place for GCSE and A level students. The faculty also contributes to whole school events and the links with the primary schools including year 6 taster day and year 5 ICT day. We have also supported the National Biology week for the last three years with a whole range of activities that students could sign up to including a trip to investigate Darwin's life ideas and evolution at the Natural History Museum, a biology photography competition, several interesting dissections which proved to be very popular, a small mammal experience and a visiting speaker who brought in a range of reptiles and snakes and talked to lower school students.

## **STRATEGIES FOR RAISING STUDENT ATTAINMENT**

Some of the strategies, which the faculty has used to raise student attainment, include:-

- Target cards for underachievers
- Lunchtime Science surgeries
- Spring term revision classes
- Student self-assessment cards
- Student checklists for topics of work
- After school and lunchtime revision sessions for post-16 students
- Extensive use of ICT modelling and revision software
- Regular use of word games and starter / plenary activities
- Well organised and developed SharePoint site for use by all students
- Open access to all past paper materials we have available.

## THE POST

This post is available from September 2021 as a permanent full time position. There is some flexibility in the courses you would be expected to teach including KS3 Scheme of work to years 7 and 8, GCSE Combined Science, GCSE and A level teaching may also be available according to subject specialism. The post would be suitable for both an NQT 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 NQTs 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 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 a main scale 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
- to 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 are likely to be form 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 procedure

## 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](http://www.farlingaye.suffolk.sch.uk) under 'Join FHS'. Applications should be submitted as soon as possible but by **12 Noon on Friday 25<sup>th</sup> June 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 Linda Marsh, HR Manager at the school on 01394 385720. Any specific questions about the faculty can be sent to Head of Faculty, Simon Lucking: [slucking@farlingaye.suffolk.sch.uk](mailto:slucking@farlingaye.suffolk.sch.uk) or Claire Moran: [cjmoran@farlingaye.suffolk.sch.uk](mailto:cjmoran@farlingaye.suffolk.sch.uk)

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:** Approximately 25 mixed ability Year 7 students

**TOPIC:** **Reactivity series of metals**

Students have done topics on Acids and alkalis and Chemical changes. They have seen the reaction of magnesium or zinc with dilute acids before but only in the context of testing for hydrogen.

Please plan a lesson to support some of these learning objectives and if you would like to include a practical that would be great.

Learning objectives:

- ⑩ State that metals have different levels of reactivity.
- ⑩ Describe a method to investigate the reactivity of different metals.
- ⑩ List some metals in order of their reactivity.
- ⑩ Write a word equation for the reaction of a metal.

Each lab will have a whiteboard, marker pens, rulers and pencils, data projector which you may want to use and plug in your laptop. If you require the use of one of our laptops, please let us know when you put in your order.

We will also undertake reasonable amounts of photocopying if required.

If you have any questions about the lesson or this pack, please telephone Simon Lucking or Claire Moran at the school or email at [slucking@farlingaye.suffolk.sch.uk](mailto:slucking@farlingaye.suffolk.sch.uk) or [cjmoran@farlingaye.suffolk.sch.uk](mailto:cjmoran@farlingaye.suffolk.sch.uk) . If you want to order equipment for the lesson please contact the technicians on [preproom@farlingaye.suffolk.sch.uk](mailto:preproom@farlingaye.suffolk.sch.uk)

**Interview Date: Wednesday, 30<sup>th</sup> June 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.**