

Mary Webb School & Science College



Teacher of Science



Pontesbury
Shrewsbury
Shropshire
SY5 0TG

Tel: 01743 792100

Email: nmurray@marywebbschool.com

www.marywebbschool.com



Dear Applicant

Thank you for your interest in our vacancy for a science teacher

In this pack you will find the following information:

- Letter from the Head Teacher
- Information about the science department
- Advertisement
- Information about the school
- Job Description
- Person Specification
- Information on how to apply

Thank you for showing an interest in our school. Having read the enclosed information, I trust you will feel encouraged to apply for the teaching vacancy within the science department. We are looking for an inspirational teacher of science who is able to communicate a real excitement and enthusiasm for their subject.

We want students to feel that they are successful and that science can help them to better understand the world they live in. We are interested in applications from suitably qualified graduates, who believe they have the qualities outlined in this brochure. An application would bring you a step closer to working in a busy, but really friendly and supportive, environment.

The science department is a well-established team that delivers a wide range of curriculum opportunities throughout Key Stages 3 and 4. At Key Stage 4 students choose either a combined science or triple science pathway. At present about 50% of each cohort choose triple science. We are proud of this as we are of the larger number of students who go on to study sciences post 16.

Extra-curricular provision by the science team is exceptional. The subject pages that follow will give you a flavor of the range of options offered from year 5 to year 11.

The current vacancy has arisen because of the growth of student numbers. The existing team are looking for a colleague who is excited by teaching and learning about science and is willing to share the ambition and high expectations of the department.

Mary Webb School is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.

I look forward to receiving your application.

Yours sincerely

A J Smith

Andrew Smith

Head Teacher

Science at Mary Webb School



The Department

Science is at the heart of the school curriculum at Mary Webb School and we actively encourage a sense of curiosity and eagerness to ask questions. The sense of awe and wonder is nurtured from when most students first visit the school at a taster day in Year 5, or by attending our hugely popular Junior Scientists club in Year 6. An emphasis on practical, investigative Science; right the way from Year 7 through to 11 helps to maintain student enthusiasm for the subject. We are always looking for enrichment opportunities, for example trips to see eminent scientists at the GCSE Science live event, taking part in competitions like the Salters Challenge and the National Science and Engineering Competition at the Big Bang fair. We are currently the holders of the title 'Young Scientists of the Northwest' and hope to conquer the National finals later this year.



At Mary Webb we have a strong STEM agenda and this provides students with lots of opportunities to apply and test their knowledge, skills and understanding to solve practical problems. The Science, Technology and Maths faculties work closely to plan STEM curriculum days, trips, visiting speakers and competitions and this gives students the opportunity to work collaboratively towards a shared goal.



The Learning Environment

The faculty is contained within its own block consisting of five laboratories, 2 prep-rooms and 2 additional storage rooms. Each laboratory has an interactive whiteboard and access to a set of lap tops.

In recent years there has been significant investment in equipment to ensure that students can work in small groups and maintain the hands on approach to practical work, whilst completing all the Core practical elements of the new GCSEs, and many other experiments considered relevant to the course. New text books and revision guides have also been purchased to support the new GCSE courses. In addition to these resources the department is making good use of the online homework and revision packages 'Educake' and 'GCSEpod.'



Key Stage 3



Students have three hours of Science per week and work in rotation through different topic areas. In years 7 and 8 students have one teacher for the year and are taught in mixed ability groups. In Year 9 we start the GCSE course and students rotate around specialist teachers. We also spend about 4 weeks completing the BSA Bronze Crest award-group work investigating a science question of the students own choosing. Each year the students display their work at an internal Crest fair, before the best projects are chosen to represent the school at a Regional Big Bang fair.

Key Stage 4

At KS4 all students have the choice of studying Combined Science in 4 hours of 'Core Science' time or opting for Triple Science and spending an additional two hours in Science a week. We are delighted that we usually have over 40% of the year group opting to study Triple Science. In addition to this students are given the opportunity to study for an Astronomy GCSE after school.

This post offers an excellent opportunity for a keen and enthusiastic Science teacher. You would be joining a successful and forward-thinking team of teachers who are dedicated to providing outstanding teaching and learning in a supportive, caring and stimulating environment. The department is dynamic and has a proactive approach, thriving on development, innovation and change in the context of existing good practice. Please come and visit us if you have any further questions, we look forward to the opportunity to show you the department.



Advertisement



**Teacher of Science,
MPR / UPR
Full-time, Permanent
Required September 2018**

Governors wish to appoint an outstanding, well-qualified and enthusiastic teacher of Science. The successful candidate will be required to teach at Key Stage 3 and 4. This vacancy would suit experienced teachers or candidates new to teaching. If you would like to join our hugely successful and supportive team, we would welcome your application.

Potential candidates are encouraged to contact the school to speak to the head teacher, Andrew Smith or head of science, Cath Jones. Full details are available on the school website.

The school is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.

Closing date: 12 noon on Thursday, 15th February 2018
Interviews to be held week beginning: Monday, 26th February 2018



Information about the school

Mary Webb School is situated in a particularly beautiful location in the village of Pontesbury, just a few miles south of Shrewsbury. The site, surrounded by hills and woodland, provides an ideal setting for a school that aims to provide an educational experience firmly rooted in a modern rural context. We seek to open minds and widen horizons by ensuring that all our students are prepared for the challenges of life in the twenty-first century.



As a relatively small community secondary school of about 650 students, staff and governors, we feel that the school has a number of distinctive features that makes it a little bit special.

We aim to provide an environment in which each and every student can develop and flourish, and where the pursuit of excellence, in terms of personal development and academic achievement, is the aspiration of all. Relatively small class sizes ensures that every student receives personal attention.

The curriculum at Key Stage 4 is based around a core GCSE offer. We believe that this provides students with robust qualifications that support transition to post-16 education, training and employment. GCSE examination results at Mary Webb have been very strong in recent years and are above national averages for attainment and progress across the curriculum. In 2017 the percentage of students gaining a 5+ grade in English and mathematics was in the top 20% of schools nationally at 57%. The school's Progress 8 figure for 2017 was the highest in Shropshire and in the top 20% of schools nationally. We are very proud of our students and the staff that work hard to support them achieve such good outcomes.

To view our latest Ofsted report from May 2015 please [click here](#).



*"Students make **outstanding** progress"*

"Teachers create positive, constructive relationships"

*"Teaching is good and much is **outstanding**"*

"Students behave well and are keen to learn"

*"Arrangements for transition from the primary schools are **outstanding**"*

*"The school's work to keep students safe and secure is **outstanding**"*

Job Description

Purpose

- To share the school's commitment to safeguarding and promoting the welfare of children and young people.
- To implement and deliver an appropriately broad, balanced, relevant and differentiated curriculum for students and to support a designated curriculum area as appropriate.
- To monitor and support the overall progress and development of students as a teacher / form tutor.
- To facilitate and encourage a learning experience which provides students with the opportunity to achieve their individual potential.
- To contribute to raising standards of student attainment.
- To share and support the school's responsibility to provide and monitor opportunities for personal and academic growth

MAIN (CORE) DUTIES

Teaching

- To teach students, including students from Severndale @ Mary Webb who are in mainstream lessons, according to their educational needs, including the setting and marking of work to be carried out by the students in school and elsewhere.
- To assess, record and report on the attendance, progress, development and attainment of students and to keep such records as are required.
- To provide, or contribute to, oral and written assessments, reports and references relating to individual students and groups of students.
- To ensure that ICT, Literacy, Numeracy and school subject specialism(s) are reflected in the teaching/learning experience of students.
- To undertake a designated programme of teaching.
- To ensure a high quality learning experience for students which meets internal and external quality standards.
- To prepare and update subject materials.
- To use a variety of delivery methods which will stimulate learning appropriate to students' needs and demands of the schemes of work.
- To maintain discipline in accordance with the school's procedures, and to encourage good practice with regard to punctuality, behaviour, standards of work and homework.
- To undertake assessment of students as requested by external examination bodies, departmental and school procedures.
- To mark, grade and give written/verbal and diagnostic feedback as required.

Pastoral System

- To be a Form Tutor to an assigned group of students.
- To promote the general progress and wellbeing of individual students and of the form group as a whole.
- To liaise with Key Stage Leaders to ensure the implementation of the school's support/pastoral system.
- To register students, accompany them to assemblies, encourage their full attendance at all lessons and their participation in other aspects of school life.
- To evaluate and monitor the progress of students and keep up-to-date student records as may be required.
- To contribute to the preparation of Action Plans and progress files and other reports.
- To alert the appropriate staff to problems experienced by students and to make recommendations as to how these may be resolved.
- To communicate, as appropriate, with the parents of students and with persons or bodies outside the school concerned with the welfare of individual students, after consultation with the appropriate staff.
- To contribute to PSHCE according to school policy.
- To apply the school's behaviour policy and management systems so that effective learning can take place.

Job Description continued

Operational/Strategic Planning

- To assist in the development of appropriate syllabuses, resources, schemes of work, marking policies and teaching strategies in the curriculum area.
- To contribute to the curriculum area's improvement plan and its implementation.
- To plan and prepare courses and lessons.
- To contribute to the whole school's planning activities.

Curriculum Provision

- To assist the Subject Leader and SLT to ensure that the curriculum area provides a range of teaching strategies which complements the school's strategic objectives.

Curriculum Development

- To assist in the process of curriculum development and change so as to ensure the continued relevance to the needs of students, examining and awarding bodies and the school's mission and strategic objectives.

Professional Development

- To take part in the school's staff development programme by participating in arrangements for further training and professional development.
- To continue personal development in the relevant areas including subject knowledge and teaching methods.
- To engage actively in the school's agreed Performance Management Review Process.

Recruitment/Deployment of Staff

- To ensure the effective/efficient deployment of classroom support.
- To work as a member of designated teams and to contribute positively to effective working relations within the school.

Quality Assurance

- To help to implement school quality procedures and to adhere to those.
- To contribute to the process of monitoring and evaluation of the curriculum area in line with agreed school procedures, including evaluation against quality standards and performance criteria.
- To seek/implement modification and improvement where required.
- To review from time to time methods of teaching and programmes of work.
- To take part, as may be required, in the review, development and management of activities relating to the curriculum, organisation and pastoral functions of the school.

Management Information

- To maintain appropriate records and to provide relevant, accurate and up-to-date information for school's MIS, including registers.
- To complete the relevant documentation to assist in the tracking of students.
- To track student progress and use information to inform teaching and learning.

Communications

- To communicate effectively with the parents of students as appropriate.
- Where appropriate, to communicate and co-operate with persons or bodies outside the school.
- To follow agreed policies for communications in the school.

Job Description continued

Marketing and Liaison

- To take part in marketing and liaison activities such as Open Evenings, Parents Evenings, review days and liaison events with partner schools.
- To contribute to the development of effective subject links with external agencies.

Management of Resources

- To contribute to the process of the ordering and allocation of equipment and materials.
- To assist the Subject Leader to identify resource needs and to contribute to the efficient/effective use of physical resources.
- To co-operate with other staff to ensure a sharing and effective usage of resources to the benefit of the school, subject area and the students.



Person Specification

Quality	Essential	Desirable
Qualified Teacher Status	Yes	
Degree in science or related subject	Yes	
A commitment to safeguarding and promoting the welfare of children and young people	Yes	
A commitment to achieving, maintaining and developing the attributes, knowledge, understanding and skills outlined in the core / post threshold professional standards for teachers	Yes	
Experience of teaching science at Key Stage 3 and Key Stage 4.	Yes	
An ability to offer one science discipline at GCSE	Yes	
An ability to offer a second science discipline at GCSE		Yes
Confident communicator	Yes	
Confidence in the use of ICT	Yes	
An ability to work in a team	Yes	
An ability and commitment to contribute to raising student achievement	Yes	
A willingness to embrace change and seek new challenges	Yes	
An understanding of the need to take responsibility for personal professional development	Yes	
An ability to self-manage workload	Yes	



How to Apply

Applications must be made on the official application form which can be found by [clicking here](#) or visiting www.marywebbschool.com

The deadline for applications is 12 noon on Thursday, 15th February 2018, and we will be interviewing week commencing Monday, 26th February 2018. Please do not hesitate to get in touch with me if you have any questions or if you would appreciate an informal chat; I would be delighted to hear from you.

When completing the application form, please pay particular attention to:

- The guidance notes on the front cover.
- Section 8, Educational qualifications, please ensure you provide details of your qualifications, including GCE O level, GCSE or equivalent level 2 qualifications – a summary is not sufficient. Details of the institutions you studied at are required.
- Section 11, Further Details: Please limit this section to no more than 500 words.
In addition to the guidance provided, please outline your views on teaching science to young people in the 11-16 age range and why science is an important part of a broad and balanced curriculum at Key Stage 4.
- Section 16, References: The requirement for two employment references, one of which **must** be your current or most recent employer. Please include email addresses if possible.
- We use an application form which states that the post is exempt from the Rehabilitation of Offenders Act 1974 and that the successful candidate must apply to have an Enhanced Disclosure from the Disclosure and Barring Service. The application form will request full and complete information about employment history.
- All applicants are required to disclose whether they have any convictions, cautions, court orders, reprimands and warnings which may affect their suitability to work with children.
- Incorrectly completed application forms will not be considered

You can send your application via:

Email to: nmurray@marywebbschool.com

Post to: Mrs N Murray, Mary Webb School & Science College, Pontesbury, Shrewsbury, Shropshire, SY5 0TG