**Twynham Learning**

Teacher of Science

**The Context**

Twynham Learning is an exciting and growing federation of ambitious infant, junior and secondary schools. Its aim is to offer this generation of children, young people and those involved in their education the very best leadership, teaching and learning, professional development and support services.

Twynham School is a highly regarded school and has consistently been in the top 25% of schools and colleges nationally for our students’ GCSE and A-Level results.

We have a well established reputation in the development of high quality teaching with very effective programmes for colleagues at all levels from ITT through to Lead Practitioner and onward to middle and senior leadership. At the heart of everything we do is highly effective pedagogy that is research-led and evidence based.

The School is an exceptionally special place; a school which believes in the unlimited potential of every child, where people are valued above all and ultimately a place where every child can be successful. Our long-tradition of success is built on two vital pillars; high quality teaching and learning and, most importantly, the value we place on the very special relationships between students and staff.

We are committed to developing a curriculum that meets the needs of all learners and that values all subjects. Underpinning our philosophy of being ‘ambitious for all our students’ is a broad, balanced, relevant and exciting curriculum which ensures continued progression and development, both academic and personal. We hope that it will enable students to leave school with strong morals, a tolerant and enquiring mind, a passion for learning and a positive, well-rounded outlook.

**The Department**

The Science Department is an experienced forward thinking team that has a clear focus on children’s understanding of science. Colleagues work collaboratively, sharing best practice in teaching and learning, and have undertaken significant deconstruction of the curriculum to support how children learn in science.

Results at GCSE and A level are good but we want to strengthen this through our work on understanding children’s misconceptions in science.

The team comprises of 16 teaching staff supported by experienced technicians.  There is a Head of Faculty, with posts of co-ordinators of KS3, KS4, and A-level chemistry, biology and physics.

We are a friendly, hardworking team of professionals enjoying excellent relationships with students.  For many years we have supported the training of science teachers. As part of our Teaching School status we lead the Bournemouth Poole and Dorset Secondary Training Partnership, and are responsible for the training of a range of ITT students. We are therefore very familiar with inducting colleagues into the team and making them feel welcome.

We are looking for a part time (0.5), teacher of science at key stages 3 and 4, who has a passion for teaching science and would work with the team to further develop our evidence based research on children’s understanding in science.

### **Curriculum**

At KS3, we have developed a spiral curriculum where students revisit the same central concepts year on year. This will extend into KS4 as we begin teaching the new GCSE curriculum.  Results in Science at both KS3 and at GCSE are consistently well above the county and national average. At GCSE, we currently follow the AQA science course for both year 10 and 11. Schemes of work and resources are placed on the school gateway allowing student access whilst at school and at home. This allows students to easily revisit a lesson or catch up with work if they have been absent.

We set students from years 7 to 11 and our most able students at key stage 4 to study separate sciences. We currently have two sets out of ten taking triple science this summer.

At A-level the sciences are very popular. Approximately 50% of the 6th Form will join us from other schools making a strong mix of students committed to studying 3 A-levels with the aim of continuing on into higher education. There are currently four AS Biology (OCR B) classes in year 12 and three sets in year 13, three chemistry (OCR A) classes in year 12 and two in year 13, and two classes in both year 12 and year 13 studying physics (OCR A). Our A-level students play an active role in supporting the curriculum, with principle students supporting learning across the school.

We have developed an enrichment programme to support our most able scientists in their applications for top science universities and medical school. This year we have 3 students preparing for BMAT.

**Facilities**

We have excellent facilities including 11 dedicated and networked laboratories, and a well-equipped science department work room. All staff have a laptop and each laboratory is equipped with a digital projector and white board. We have invested heavily in technological resources to support both teaching and learning. All laptops have Boardworks, PowerPoints and electronic workbooks for Key Stages 3 and 4. The faculty have access to iPads and we have sets of new data loggers which enable students from all key stages to collect and analyse data. Students enjoy access to outstanding information and communication technology facilities with a comprehensive learning Gateway.

#### The Appointment

This position has arisen due to a colleague gaining a position in a middle school

**Further Information**

Applicants are invited to contact kate.ball@twynhamschool.com Assistant Headteacher, in the first instance.

#### Salary

Salary will be MPS.

#### Expenses

The school will meet the reasonable expenses of interviewed candidates within the UK mainland but regrets it cannot assist with the removal expenses of the successful candidates.

#### Application Forms

Completed forms should be emailed to recruitment@twynhamlearning.com or you can apply via the TES.