

**HIGHWORTH GRAMMAR SCHOOL**  
Maidstone Road, Ashford, Kent TN24 8UD  
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## ***Head of Physics / Teacher of Physics***

### **FURTHER INFORMATION**

Highworth Grammar School is a successful 11-18 selective girls' school with approximately 100 boys in the Sixth Form. There are 1537 students on roll – 1086 in Years 7-11 and 451 in Years 12 and 13. Our school is widely recognised as being innovative and highly successful. Highworth has a strong academic reputation and our students are recognised as mature and reliable young people. We aim to deliver the best possible education to all of our students in a safe and secure environment

Our motto of 'Reach for the Stars' embodies the daily working life of the whole school community; students are encouraged to see learning as a lifelong activity. A key feature of our motto is happiness which is achieved through excellent student behaviour in lessons; clear policies and guidance; strong leadership; and enthusiastic community spirit. It is important that both staff and students feel confident, happy and valued.

Students at Highworth are given rewards for creativity, problem solving, achievement resilience and team work. We value the development of a full range of skills to offer students the best preparation for future challenges. Working here allows staff to share this balanced approach to education; embrace new ideas; and sustain a sense of enjoyment in their own learning.

Whilst the school is academic we recognise and fully support the creative aspects of the curriculum and are proud of the many opportunities provided for achievement in music, DT, and the arts. We believe this is crucial in our ethos in encouraging our students to be independent, creative and highly motivated lifelong learners.

During the June 2013 Ofsted Inspection the school was judged as an Outstanding School. In 2019 our A Level results placed us in the top 25% of schools nationally.

### **FEATURES OF THE SCHOOL**

These include:

- Caring, supportive and committed staff
- Commitment to professional development
- High academic standards with a large proportion of outstanding lessons
- Vertical Tutoring
- Cloud storage and software provided by Google.
- Laptop for every teacher
- Wireless multimedia projector for every classroom
- 2 dedicated ICT suites (air conditioned)
- 28 mobile laptop trolleys
- New sports hall
- 10 dedicated Science labs
- 3 Performing Arts studios

- Music Technology suite and recording studio
- DT suite with latest technology
- Research into use of new technologies/pedagogy
- Cover supervisors to minimise staff cover
- 10 day timetable with five one hour lessons per day. Current maximum teaching time for full time teachers is 45 out of 50 teaching periods

### ***Students***

The school has a wide catchment area, taking students from over 40 primary schools, many of which are situated in small villages within the Kent countryside. Entry at age 11 is by the Kent Education Committee Selection Procedure, which aims to identify the top 25% of the ability range. Some students transfer to our school at 16+ from other schools.

### ***Staff***

We are fully committed to the professional development of all our staff. All new teachers and ECTs follow a well informed and structured induction programme. All staff are encouraged to pursue personal goals and the school fully embraces interest in pastoral and pedagogical innovation. Every member of staff takes part in the annual performance development scheme which also embodies our motto of 'Reach for the Stars'.

### ***Curriculum***

Our curriculum at Key Stage 3 includes all the National Curriculum subjects (Art & Design, English with Drama, Geography, History, Mathematics, Modern Languages - French, German and Spanish, Music, Physical Education, Dance, Religious Education, Design Technology, Computing and Science).

We offer all Key Stage 3 subjects through to A Level together with Business Studies, Dance, Economics, Film Studies, Further Mathematics, Government & Politics, Media, Photography, Psychology, Sociology and Theatre Studies.

In the current Year 12, students take three or four A Level subjects, continuing with at least three to full A level. They can also take the Extended Project and qualify for the AQA Bacc. The majority of our students proceed to courses at Universities and in the last academic year all students who made applications, successfully found suitable places in higher education.

## **THE SCIENCE DEPARTMENT**

The Science department consists of 16 teachers and 4 technicians working in 10 laboratories and 5 prep rooms. All labs have data projectors and class sets of Chrome books are available.

### **Key Stage 3**

The Collins AQA KS3 scheme is used as a starting point for our delivery of the KS3 Programme of Study in Year 7 and Year 8. There is a strong emphasis on practical work. There are 6 periods per fortnight in both Year 7 and Year 8 and students are taught in Community groups at KS3. Year 9 is a transition year from KS3 to KS4 where we extend the KS3 curriculum. There are 3 periods per fortnight in Year 9 for each Science. Classes are taught by subject specialists and, timetabling permitting, each class will have one teacher per subject.

## Key Stage 4

All students start studying the AQA Separate Sciences near the end of Year 9 as a 2 year course. This year we have about 50 Year 11 students who have converted to Trilogy Science, with the remainder continuing to study for the Separate Sciences. Classes are taught by subject specialists and, timetabling permitting, each class will have one teacher per subject.

There are 4 periods per fortnight in Years 10 and 11. The GCSE results for June 2019 are shown below:

## Key Stage 5

A level Sciences are very popular. We currently offer AQA A Levels in Biology, Chemistry and Physics. There are 4 sets of A Level Biology, 4 of Chemistry and 2 of Physics in Year 12, which will continue into Year 13 as students follow a 2 year course.

The A Level and GCSE results for June 2022 and the Highworth Grammar School performance measure page can be accessed using this link:

<https://www.find-school-performance-data.service.gov.uk/school/136379/highworth-grammar-school>

*Highworth Grammar School is committed to:*

- *safeguarding and promoting the welfare of young people. This post will require an enhanced disclosure from the Disclosure & Barring Service (DBS)*
- *creating a diverse workforce. We will consider all qualified applicants for employment without regard to sex, race, religion, belief, sexual orientation, gender reassignment, pregnancy, maternity, age, disability, marriage or civil partnership.*

## ***Head of Physics***

### **PERSON SPECIFICATION**

#### **QUALIFICATIONS:**

- Good honours degree
- Qualified Teacher Status
- Evidence of further relevant professional development

#### **SKILLS:**

- Ability to lead, inspire, motivate and support students and colleagues
- Ability to work under pressure and meet deadlines
- Good ICT skills
- Ability to think strategically
- Ability to forge links with the wider community
- Able to lead a strong, closely knit team where ideas are shared and developed together

#### **EXPERIENCE**

- Evidence of successful, inspiring and innovative teaching in the secondary phase, particularly A Level Physics
- An excellent track record of success with public examination results.
- Co-ordinating and collaborating with colleagues
- Teaching Physics to A level
- Teaching Physics to GCSE
- Teaching either Chemistry or Biology to GCSE would be beneficial

#### **KNOWLEDGE:**

- Up to date knowledge of developments in pedagogical techniques relevant to Science, such as modelling, retrieval practise and scaffolding. Teachers are provided with iPads to facilitate effective teaching techniques.

#### **PERSONAL QUALITIES:**

- High levels of personal and professional integrity
- Personal warmth to gain the confidence of students, staff and parents
- Appropriate levels of personal presentation
- Ability to communicate concisely and sensitively both orally and in writing to a variety of audiences
- A passion for teaching Science

#### **ATTITUDES:**

- A willingness to share experiences and learn from colleagues
- A team player with leadership skills
- A commitment to child protection and safeguarding
- A reflective and flexible approach
- Positive, enthusiastic and energetic approach to life
- Ability to think creatively and imaginatively
- Supportive of the School's ethos
- High expectations of student attainment, personal development and conduct
- Commitment to professional development

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## ***Teacher of Physics***

### **PERSON SPECIFICATION**

#### **QUALIFICATIONS:**

- Good honours degree
- Qualified Teacher Status
- Evidence of further relevant professional development (N/A for ECT applications)

#### **SKILLS:**

- Ability to lead, inspire, motivate and support students and colleagues
- Ability to work under pressure and meet deadlines
- Good ICT skills
- Ability to think strategically
- Ability to forge links with the wider community

#### **EXPERIENCE**

- Evidence of successful, inspiring and innovative teaching in the secondary phase, particularly A Level Physics
- An excellent track record of success with public examination results. (Not applicable for applications from ECTs)
- Co-ordinating and collaborating with colleagues
- Teaching Physics to GCSE
- Teaching either Chemistry or Biology to GCSE
- Teaching Physics to A level would be an advantage

#### **KNOWLEDGE:**

- Up to date knowledge of developments in pedagogical techniques relevant to Science, such as modelling, retrieval practise and scaffolding. Teachers are provided with iPads to facilitate effective teaching techniques.

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