



APPLICATION PACK

Enjoy teaching well at.....

Dartford Grammar School

An IB World School



Post: Teacher of Physics

Start Date: September 2018

Package: MPS/UPS + LFA

Teachers' Pension

Childcare Vouchers

Free Gym Membership (BSC)

The post is a full-time permanent position.



Science



LANGUAGE COLLEGES



SPORTS COLLEGES



Institute of Education
Confucius Classroom



National Support School
designated by

National College for
Teaching & Leadership

Specialism
QualityMark
Leading and Transforming
SSAT



Japanese
Excellence
Programme



Mandarin
Excellence
Programme



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.

An enhanced DBS check is required for all successful applicants.

ABOUT US

A learning community developing international citizens

Dartford Grammar School is a selective secondary academy for boys, which admits girls to its sixth form. There are six forms of entry to Year 7, and all of the students joining the school are from the top 25% of the ability range. The students come from Dartford, neighbouring towns and villages, and nearby London boroughs. The current roll is 1,485, including 625 in the sixth form.

Curriculum

The school provides students with a seven year innovative education programme, based on the philosophy of the International Baccalaureate Organisation. Dartford Grammar School has become the first British state school authorised to offer the IB Middle Years Programme to pupils in Years 7 to 9. Its sixth form programme is also exceptionally wide with courses leading to the International Baccalaureate Diploma. The IB courses are crucial to our ethos encouraging our students to be independent, creative and highly successful lifelong learners.

Students at Dartford Grammar School enjoy very high academic success. In 2017, and for the second consecutive year, more than 70% of GCSE grades were the equivalent of A*/A. Our Sixth Formers gained an average UCAS points score of 215 (new tariff). Almost all of Year 13 students proceed to university with more than 70% successful at Russell Group universities.

Ofsted Inspections

The school has been identified four times by Her Majesty's Chief Inspector of Schools (most recently in May 2011) as one of England's most successful schools and colleges, showing a sustained period of outstanding achievement.

Specialist Status

In September 1995, the school became one of the first two language colleges in the country. The school is committed to internationalism. While maintaining its high levels of strength in all curricular areas, the school is established as a centre of excellence for the learning of languages, offering tuition in ten. Following the 2008 Ofsted inspection the school was awarded Science as this third specialism and most recently achieved an additional Specialism Quality Mark in Sport.

The school is a leading Confucius Classroom, a leading Japan Foundation and Goethe Institute school and has been reaccredited with the International Schools Award at the highest level. Dartford Grammar School is an IB World School and the Sunday Times IB School of the Year 2017.

The school has recently been awarded 'Teaching School' status and works as a lead school across a local alliance of primary and secondary schools, providing additional professional development opportunities.

Buildings and Facilities

The school, founded in 1576, has occupied its present site since 1866. Additional buildings have been constructed since then, the major works in last 10 years being listed below:

| | |
|---------|---|
| 2008 | extension of sixth form centre adding five teaching rooms; |
| 2009 | the remodelling of the Mick Jagger Centre, to provide additional teaching rooms and new laboratories and a Food Technology suite; |
| 2011 | new sixth form study suite |
| 2012/13 | extended sixth form centre |
| 2013/14 | new science department |
| 2013/14 | new Key Stage 3 transition area |
| 2014/15 | new Performing Arts Centre and rejuvenation of part of the Hardy building |
| 2015/16 | new dining hall and additional laboratories |
| 2017/18 | new sixth form centre |

Pastoral Support

The school has a strong pastoral system operating from Year 7 to Year 13. The school is divided into Key Stage units, and each year group has a Curriculum Manager who oversees all aspects of the students' development. The school provides 3 Higher Education Advisers and a specialist Careers Adviser.

Extra-Curricular Programme

The school is exceptionally rich in extra-curricular activities. It offers 16 sports and competes with others in at least eight of them each year. Teams regularly gain county, regional and national success, and many students gain representative honours at one or more of these levels. The Junior Athletics team are the current National Champions. The school achieves high standards in music, and has an orchestra, wind band, choir, chamber choir and many other ensembles. Drama productions are frequent. There are many other clubs and societies, with debating always a popular activity. The school's impressive programme of community service is regarded as a particular strength. The school benefits from many close links with Europe, China and Japan. There are regular overseas cultural and sports trips, and other international visits.

External Links

The school has a very active Parents' Association, which provides valuable assistance and support. The school has strong links with local industry and with Higher Education. It has extensive links with many other institutions, and is also part of the world-wide International Baccalaureate Organisation network.

What the School Offers Teachers

The school provides its staff with the experience of teaching able and well-motivated students in an environment with high expectations of behaviour and well-developed systems of teacher-support. The school has a national reputation for the quality of its programme of professional development. The programme includes much that falls within specific subject areas.

The school is committed to participation in initial teacher training. Other aspects include a course for newly-qualified teachers, preparation for middle management, development of existing middle managers and preparation for senior management. While the school's extensive programme of overseas visits give many staff international experience, the school ensures that its staff development has a further international dimension, for example in IB courses. Staff members have access to the school's excellent facilities for sport and the performing arts.

Becket Sports Centre and The Mick Jagger Centre for the Performing Arts

Out of school hours the facilities of both centres are shared with the local community. They are managed by school staff, reporting through independent management structures.

The Becket Sports Centre (currently being extended and improved) comprises a sports hall and fully equipped fitness studio, with a separate aerobics/training room, which has a sprung floor, allowing dance sessions to be held. The Mick Jagger Centre includes two auditoria (seating 200 and 350 respectively, both with retractable seating), 8 music practice rooms, dance studio, exhibition space, two music rooms and a Drama Studio. It is a base for 20 community organisations, and runs a small commercial programme attracting a range of talents and performers.

Website

Further details of the school, including breakdown of performance figures, can be accessed through:
www.dartfordgrammarschool.org.uk

The Science Department

The Science Department at Dartford Grammar School has operated with science specialism status since 2009 and continues to be a centre of excellence for science education. It is based in a self-contained suite of very well equipped rooms, in the Stephenson Building. It contains 15 laboratories, 2 preparation rooms, stores and science staff offices. All laboratories are fully equipped with practical apparatus, dedicated ICT facilities with projectors and white boards.

Staffing

The Department's staff includes the equivalent of 16 full-time teachers, all graduate specialists. They are supported by four full-time and one part-time technicians. The current management structure comprises of a Head of Department, an Assistant Head of Department, Science College Manager and KS5 subject leaders.

The Department is involved in initial teacher training through the Kent Training Group SCITT. Staff from the Department deliver some of the theoretical aspects of the training as well as the day-to-day practical mentoring of the trainees. Additionally the Department is highly experienced in training science teachers through the graduate teacher route and PGCE.

Courses

Dartford Grammar School has a timetable that consists of 30 periods per week and each period is 50 minutes in duration. In Key Stage 3, Year 7 classes have 6 periods of science, and Year 8 classes have 4 periods, often taught by a single teacher. The Key Stage 3 course is delivered over 2 years in an accelerated programme and it provides a solid foundation for GCSE sciences. There is a heavy emphasis on practical work and discovery as well as developing investigative skills. In Key Stage 4 students study AQA Biology, AQA Chemistry and AQA physics courses. The overwhelming majority of students are examined on the AQA Separate Science with a minority studying for AQA Science A and AQA Additional Science GCSEs only. In Year 9, students are taught for 4 periods per week, with those due to be extended to 6 periods a week in the 2016-17 academic year, whereas Year 10 and Year 11 students have 6 periods per week with subject specialist teachers.

Sciences are an extremely popular choice in the Sixth Form, which has 550 students following the International Baccalaureate Diploma Programme. All students study at least one science as part of the diploma, higher level subjects have 5 lessons and standard level have 3 lessons per week. The Science Department offers HL Biology, SL Biology, HL Chemistry, HL Physics, SL Physics, SL SEHS (soon to offer HL SEHS in 2016-17) and SL ESS.

Many students choose to continue their study of science at university, with the medical sciences being a popular choice. Students benefit tremendously from the departments successful Biomedical and Ethical Society.

Extracurricular activities

The Department has a tradition of enriching courses with many additional activities. Key Stage 3 students can attend a very popular Science Club and/or Electronics Club, KS4 students can enjoy a successful Engineering Club and KS5 students can participate in Chemistry Club and the Biomedical and Ethical Society. Students also have a number of visits during the year and a wide range of gifted and talented opportunities are on offer through the departments Science College.

In the Sixth Form, students attend university lectures and visits to University College, Kings College, Imperial College, Surrey University and Greenwich University. We have a programme of high profile visiting speakers. Annually, we have public lectures that focus on new advances in scientific research. Students have many opportunities to attend study visits. Our Physics students go to CERN, Geneva. We have Biology and Ecology fieldwork visits to the Alps and Slapton Ley in Devon. A science exchange with a school in Hanau runs annually, and work-shadowing associated with the pharmaceutical industry in Switzerland is available. We also have science links with schools in Japan and China.

An annual science college careers fair is attended by students in Years 11 and 12. During this day, students have chance to speak with an extensive range of ambassadors relating to science related careers.

The Science Departments Science College also offer a successful STEM week and Science Summer School for aspiring medics.

The Post

We are seeking to appoint a committed member of staff with a passion for science, who is capable and enthusiastic about sixth form teaching (any science considered) and also capable of teaching two of the sciences to GCSE level.

The school is committed to staff development and provides excellent opportunities for career development.

A key attribute of the successful candidate will be the skill to further develop the talents of highly committed and enthusiastic science teaching and support teams.

ROLE PROFILE

| Vacancy |
|---|
| Outline of Role: <ul style="list-style-type: none">To carry out the role of a teacher as defined in the School Teachers' Pay and Conditions document. |
| Responsibilities as a Teacher: <ul style="list-style-type: none">To teach assigned students.To participate in the development of appropriate syllabuses, materials and schemes of work.To assess, record and report on the development, progress and attainment of students.If required, under the direction of the Curriculum Manager, to act as Form Teacher of an assigned group of students, and to carry out related duties.To carry out a share of supervisory duties in accordance with published lists.To participate in appropriate meetings with colleagues and parents relative to the above duties. |

NOTES

- 1 The responsibilities are subject to the general duties and responsibilities contained in the statement of Conditions of Employment.
- 2 This job description allocates duties and responsibilities but does not direct the particular amount of time to be spent carrying them out, and no part of it may be so construed.
- 3 This job description is not necessarily a comprehensive definition of the post. It will be reviewed at least once each year, and it may be subject to modification or amendment at any time after consultation with the holder of the post.

THE APPLICATION PROCESS

Completed application forms should be sent, by post, to the Headmaster, Mr W J Oakes, Dartford Grammar School, West Hill, Dartford, Kent DA1 2HW or by email, to Mrs A Dennett (HR Manager) adennett@dartfordgrammarschool.org.uk

Closing date for applications: Tuesday 6th February 2018

Interview date: To be confirmed

The school may interview early in the case of an exceptional candidate.