



James Allen's Girls' School 4–18

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CANDIDATE PACK FOR TEACHER OF PHYSICS

James Allen's Girls' School 144 East Dulwich Grove London SE22 8TE

www.jags.org.uk



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JAMES ALLEN'S GIRLS' SCHOOL

JAGS has been inspiring and educating pupils for over 270 years. It is the oldest girls' independent school in London. While we are proud of our history – it's made us who we are – we are very much a school of the present and the future. We celebrate the best of the old while embracing the latest innovations and technology.

Our day school pupils are drawn from a dynamic variety of cultural, social and economic backgrounds, with 50 languages spoken at home. We currently have 126 pupils on our own bursaries, with 51 of them on free places and an average of 89% fee subsidy paid. Diversity is our strength, but we share a common purpose: to help all our pupils fulfil their potential. We know we are lucky and that we gain from sharing what we have. 'Good Neighbours' has been our policy for many years. We look outwards and draw people in. We are part of the world around us.



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In a changing educational world, my core values remain intact. As an Oxford graduate, and student of literature, I want pupils to love learning for its own sake and to strive for excellence.

But true education always comes back to people. To supporting the young on individual journeys so they are ready to lead purposeful, happy adult lives. As soon as I set foot in JAGS, I knew that this was at the heart of the school's ethos too. Known for its academic excellence, JAGS is so much more. It is a school with heart and conscience and one which reaches out beyond its own community.

I also believe firmly that schools have responsibility for the whole person. Sport, arts and leadership are part of that - but the less measurable qualities of social responsibility and empathy are just as important.

Jillistine Harg



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WORKING AT JAGS

Working at JAGS is more than just about working. JAGS is a community and a family that strives to create a warm and supportive environment for both the girls that come to learn here, but also for the staff that come to work here.

From your first day at JAGS you will have access to some of the best facilities in the country and will be encouraged to take part in the many activities here.

JAGS works hard to attract the best staff and therefore the benefit package at JAGS is very generous. We have our own pay scale which is above the national average and we also offer all staff a discount on school fees. You will have access to our multi purpose sports centre which includes tennis courts, a 25m swimming pool, spin studio and a rock climbing centre. You will receive free lunches as well as free parking and free access to the Dulwich Picture Gallery.

Working at JAGS is a great opportunity for anyone, whether a teacher, a gardener or an IT technician and we work with all our staff to offer development opportunities wherever possible.



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TEACHER OF PHYSICS

As a Teacher of Physics the post holder will be an outstanding classroom practitioner with excellent subject knowledge and enthusiasm for Physics. They should have knowledge and understanding of effective teaching and learning styles and of monitoring, assessment, recording and reporting of pupils' progress. As a member of the teaching staff, the post holder will be expected to involve themselves in school life.



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TEACHER OF PHYSICS SPECIFICATION

Essential

- Plan, prepare and deliver lessons appropriate to the range of ability within JAGS.
- Ensure that the requirements of the school curriculum and examination board specifications are met and pupils are well prepared for assessment.
- Mark and assess work regularly according to agreed criteria, giving appropriate feedback and maintaining records of pupil progress and development.
- A good degree in Physics, Engineering or Science with substantial Physics content, preferably with QTS. Newly qualified teachers are welcome to apply.
- The ability to demonstrate effectively the skill of communicating information and concepts with energy, enthusiasm and dynamism.
- The skills to create a happy, challenging and effective learning environment in lessons.
- The ability to apply effective strategies to monitor pupils' motivation and morale.
- The candidate should enjoy the practical aspects of the courses and be able to include relevant safe class experiments and demonstrations.
- Enthusiastic and approachable.
- Demonstrate empathy and patience as well as commitment.
- The ability to develop good personal relationships within a team.
- Have good IT skills including Microsoft Word, Excel and PowerPoint.
- Demonstrate a high degree of organisation and resource to meet deadlines.
- The ability to promote the school's aims positively.
- An awareness of the statutory requirements concerning Equal Opportunities, LDD & SEN, Child Protection and particularly of Health and Safety in science.

Desirable

- Experience of teaching academically able students
- Experience of using IT to engage pupils in learning
- Enthusiasm for sharing knowledge of best practice

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PHYSICS DEPARTMENT

Physics appeals to those who are curious about the universe and the way it works. At JAGS, we follow courses that reflect modern developments in physics and its applications, as well as covering the core material of the subject. The Physics provision here is an excellent foundation for further study at university, as well as an interesting and challenging subject option for those who do not intend to pursue the subject beyond school. All Physics teaching above Year 8 is by subject specialists and the lessons take place in dedicated Physics laboratories. Our teachers make significant use of practical work.

The successful candidate will enter a department of three full-time Physics teaching staff plus two part-time teachers, one full-time technician and one part-time technician. There are four dedicated Physics laboratories, dark room provision, technicians' preparation room and storage space. There is an office for the Head of Physics, and each teacher is allocated a desk space with networked computer in an office shared with other members of the Science department. The Physics department is well equipped, having previously serviced the requirements of the Nuffield and Advancing Physics A-level courses as well as the current AQA Physics A course in the Sixth Form. Laptops are available for teaching and ICT suites are bookable with whole classes. Datalogging sensors are up-to-date and routinely used in practical work.

Physics is taught as a separate subject from Year 7 onwards. Year 7 and 8 courses have developed from the 'Complete Physics for Cambridge Secondary 1' scheme. Year 9 to 11 students are currently following AQA GCSE Physics course. Typical class sizes are between 18 and 22 from Years 7 to 9, and between 15 and 18 in Years 10 and 11.

At A Level, we follow the AQA Physics specification, with the Astrophysics or Medical Physics option studied in Year 13. Uptake at A-level is good, with two classes in Year 13 and three classes in Year 12, each containing between 9 and 12 students. Results are very good, and several students leave to study Engineering, Physics, and other related courses at top universities each year. This year, five students have university offers for Engineering or Physics (two Oxbridge).

A newcomer to the JAGS Physics department would enter a friendly teaching environment with excellent facilities and very able pupils. Contributions are expected at all levels from Year 7 to 13. Applicants should be knowledgeable yet eager to learn, keen to engage in discussion with highly motivated students, and able to engender enthusiasm and get the best from all.



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