



James Allen's Girls' School 4–18

# jags



## CANDIDATE PACK FOR TEACHER OF PHYSICS

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

[www.jags.org.uk](http://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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## JAMES ALLEN'S GIRLS' SCHOOL



As Headmistress, it's absolutely my belief that all girls should be given the opportunity to grow and flourish in an environment where there is no limit to their ambitions.

At JAGS you will find a happy, diverse and dynamic community, rooted in academic excellence and yet fully committed to the breadth of a holistic education both in and out of the classroom. This is a school where the students combine their scholarly talents with a dizzying array of commitments to activities, enrichment and the wider community.



It is an enormous privilege to lead this exceptional school, where passionate individuals thrive in an atmosphere of compassionate challenge, and I look forward to welcoming you soon.

AMS Hutcheon

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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 a passion for the subject. They should have knowledge and understanding of effective teaching and learning styles and of monitoring assessment, recording and reporting of pupils' progress.



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## PERSON SPECIFICATION

### Key skills and experience:

#### Essential

An outstanding teacher with:

- A good degree in Physics or a related field with significant Physics content, preferably with PGCE.
- Skills to organise practical aspects of the courses, with a willingness to include relevant safe class experiments and demonstrations in teaching.
- Effective strategies to monitor pupils' motivation and morale.
- A high level of digital literacy.
- The skills to create a happy, challenging and effective learning environment in lessons.
- Enthusiasm and approachability.
- Empathy and patience, as well as a committed, well-organised and resourceful approach and an ability to meet deadlines.
- The ability to promote the school's aims positively.
- An awareness of the statutory requirements concerning Equal Opportunities, LDD & SEND, Child Protection, and particularly Health and Safety in Science is essential.
- Commitment to diversity, inclusion and anti-racism in the School community.
- Commitment to operating as part of the School community.
- Commitment to safeguarding and promoting the welfare of children and young people.
- A satisfactory Enhanced Disclosure from the DBS.

#### Desirable

An outstanding teacher with:

- Experience of teaching Physics from Year 7 to A level to academically able students.
- Knowledge of curriculum requirements for Physics at Key Stage 3, GCSE, and above.
- Evidence of commitment to further professional development.
- Enthusiasm to develop subject knowledge.
- Willingness and ability to teach Mathematics or another Science subject.



## 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 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 five full-time Physics teaching staff, one full-time technician and one part-time technician. There are four dedicated Physics laboratories, dark room provision, technicians' preparation room and ample 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. Teaching of the GCSE syllabus begins in Year 9 through to Year 11, and we are currently following the AQA Physics Specification. Typical class sizes are between 18 and 22 from Years 7 to 9, and between 15 and 20 in Years 10 and 11.

At A Level, we follow the new AQA Physics A specification, with the Astrophysics option studied in Year 13. Uptake at A-level is good, normally between 25-30 students taught in three classes. Results are very good, and several girls leave to study Physics, Engineering, Materials Science and other related courses at top universities each year. Last year, six girls went on to study Engineering or Physics (five 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 teachers, and able to engender enthusiasm and get the best from all students.

The Department's resources and organisation are described in more detail in the Physics Handbook. Further details about teaching position are given in the Person Specification.