



James Allen's Girls' School 4–18

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CANDIDATE PACK FOR TEACHER OF COMPUTER SCIENCE

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.

Jillintine 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 COMPUTER SCIENCE

As a Teacher of Computer Science the post holder will be an outstanding classroom practitioner with excellent subject knowledge and enthusiasm for Computer Science. 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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TEACHER OF COMPUTER SCIENCE SPECIFICATION

Essential

- A good degree in Computer Science, Mathematics or related discipline with substantial Computer Science 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.
- The candidate should be approachable and demonstrate enthusiasm.
- 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.
- Ability to teach Computer Science at KS3, KS4 and preferably KS5 to able students that make excellent progress.

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COMPUTER SCIENCE DEPARTMENT

The Computing Science Department is currently staffed with one full-time member and 3 members of staff from other departments. It is a testimony to the popularity of the subject and teaching that we are now looking to expand the department by recruiting a teacher with specialist skills and experience in teaching Computer Science as their main subject.

Teaching of all lessons is spread across three dedicated rooms, each equipped with desktop computers and other hardware. There is an interactive white board, digital projector, laptops, raspberry pi and the potential to purchase equipment and materials as required. Laptops are available for loan to students in KS4 and KS5 to aid studies, as required.

In year 7 students have one double lesson of computing per week. During these lessons they are introduced to hardware concepts, algorithms, computational thinking and programming.

In Years 8 and 9, students have a lesson each week. During these lessons, pupils are introduced to core programming concepts, control systems and web technologies. GCSE Options are selected during Year 9.

From year 10, the OCR GCSE Computer Science course (J276) is taught in 2 double lessons per week. Currently there are seventeen Year 10 students in two groups and one Year 11 group of 9 students, following this course.

September 2018 saw the introduction of the AS/A Level programme of study, with 2 students currently pursuing the OCR Computer Science syllabus H046/H446.

In addition to the academic programme a wide range of extra-curricular and enrichment activities are available. These include and are not limited to:

- The Bebras Computational Thinking Challenge
- Amazon- Web Services, App development
- Facebook – Engineering Challenge
- TCS Computing Challenge and in addition, the usual conferences, trips and excursions.



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