



James Allen's Girls' School 4-18

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CANDIDATE PACK FOR TEACHER OF MATHEMATICS

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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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 MATHEMATICS

As a Teacher of Mathematics, 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 Mathematics or with significant relevant content, preferably with PGCE.
- 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.
- 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 Mathematics from Year 7 to A level to academically able students.
- Knowledge of curriculum requirements for Mathematics at Key Stage 3, GCSE and above.
- Evidence of commitment to further professional development.
- Enthusiasm to develop subject knowledge.
- Willingness and ability to teach Further Mathematics.
- Willingness and ability to teach Physics to GCSE or A level.



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MATHEMATICS DEPARTMENT

The Mathematics Department at JAGS has fourteen members of staff, each teaching at all key stages and ability. We are a supportive, approachable and collaborative department, who willingly share ideas and resources.

Five dedicated teaching rooms are equipped with interactive screens and large whiteboards for group problem solving. The Department is well-resourced with practical equipment whose use is integrated into schemes of work. A whole-class teaching approach predominates with the use of a core text, supplementary resources and activities; these include team and investigational tasks.

In Year 7 pupils are taught in their forms, but in Year 8 and 9 they are grouped into sets, according to ability.

At KS3 we use Rayner's Essential Mathematics, supplemented by departmental-generated resources.

From Year 10 teaching is directed towards and beyond GCSE. A two-year course is followed with all students entered for Edexcel IGCSE Mathematics (A), Higher Tier. Very high standards are achieved, with 88% gaining levels 8 and 9 in 2019. Core texts are Edexcel IGCSE Mathematics A (Turner, Potts, Waite, Hony) and Mathematics for GCSE and IGCSE (CGP). About a quarter of Year 11 also take AQA Level 2 Certificate in Further Mathematics.

Mathematics is popular in the Sixth Form with around half the year group typically studying the subject at A Level. The linear MEI OCR (B) course is followed with Core texts MEI A Level Mathematics (Porkess and Berry). Further Mathematics is also offered and many go on to read Mathematics or Science degrees at university.

The department shares a commitment to generating a positive attitude to Mathematics, instilling confidence, enjoyment and perseverance in our students. In lessons, applications of Mathematics are stressed and opportunities for pupils to explore ideas for themselves are sought. Many extra-curricular activities are provided including national competitions, a Hans Woyda Quiz team, UKMT maths teams, Year 7 enrichment clubs, Year 8 coding day, Mathematics Master Classes and KS4 and 5 conferences and lectures.

Drive, energy and enthusiasm are essential qualities in the Mathematics Department. Teaching at JAGS is rewarding and stimulating, and our teachers are well-qualified both academically and professionally, but they also possess a sense of humour and are prepared to enjoy themselves!

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