



James Allen's Girls' School 4-18

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## CANDIDATE PACK FOR TEACHER OF MATHEMATICS MATERNITY COVER

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

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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

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.

*Jillayne Hargreaves*

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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—MATERNITY COVER

Teach Mathematics to pupils across the age range and to promote a positive attitude to the subject. Contribute to the development and academic success of the department. Participate in the contribution of the Mathematics Department to the general life of the school. Assist in supporting students outside the classroom when extra help is required. Contribute to the running of mathematics teams and clubs. The post holder will also have a strong work ethic and a willingness to participate in trips and conferences where appropriate.



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## PERSON SPECIFICATION

### ***Qualifications***

A good degree in Mathematics with PGCE

Evidence of commitment to further professional development is desirable

### ***Experience***

NQT students are very welcome to apply otherwise the candidate might have experience in teaching across the whole secondary age range and, particularly, in teaching academically able students.

### ***Knowledge and Understanding***

The candidate should have very good subject knowledge: they should be enthusiastic and able to demonstrate an appreciation of the applications of Mathematics

They should have knowledge and understanding of effective teaching and learning styles and of monitoring, assessment, recording and reporting of pupils' progress

An awareness of the statutory requirements concerning Equal Opportunities, Health and Safety, SEND and Child Protection is essential.

Knowledge of National Curriculum requirements at all Key Stages is desirable

### ***Skills***

The candidate will be able to promote the school's aims positively

They should be able to use effective strategies to monitor pupils' motivation and morale

They should be able to develop good personal relationships within a team

They should be ICT literate

Creating a happy, challenging and effective learning environment is most important

The successful candidate should be enthusiastic and approachable

Empathy and patience are important personal characteristics as well as a committed, well organized and resourceful approach and an ability to meet deadlines

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## MATHEMATICS DEPARTMENT

The Mathematics Department in this independent selective girls' school has twelve members of staff, who form a committed team of specialists working closely together. The members of the Department teach across all age groups and the ability range of the school. We are a very supportive and approachable department who regularly share ideas and resources.

There are five dedicated teaching rooms for Mathematics each with its own interactive whiteboard and set of show-me boards. The Department is well resourced with practical equipment and its use is integrated into the 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.

Entry to Year 7 is by means of the School's own entrance examination; the Mathematics paper is set and marked by members of the Department. In Year 7 pupils are taught in their form groups but in Year 8 and 9 the girls are taught in groups according to their broad ability, in sets 1, 2 and 3. The KS3 texts in use at present are *Essential Mathematics* books 7H, 8H and 9H (David Rayner) but these are supplemented by departmental-generated resources.

From Year 10 teaching is directed towards and beyond the GCSE examination and the girls are taught in 4 sets. The girls follow a two-year course with all students being entered for Edexcel IGCSE Mathematics Syllabus A, Higher Tier. Very high standards are achieved, with 90% gaining levels 8 and 9 in 2018. The 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 the AQA Level 2 Certificate in Further Mathematics examination in preparation for their Sixth Form studies.

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Mathematics is a very popular subject in the Sixth Form and recently over half the year group has gone on to study the subject at A Level. The linear MEI OCR (B) course is followed with Core texts *MEI A Level Mathematics (Porkess and Berry)*. In 2018, under the MEI modular system, 95% of candidates achieved grades A\*, A or B. The considerable examination success reflects the ability and application of the students and the dedication of the staff. Further Mathematics is also offered, with girls regularly going on to read for Mathematics or Science degrees at university.

Whilst the acquisition of knowledge and academic success are important to the Department, the practised aims and objectives are much broader. There is a strong commitment to generating a positive attitude to Mathematics, including confidence, enjoyment and perseverance. Within lessons the applications of Mathematics are stressed and opportunities for pupils to explore ideas for themselves sought. Many extra-curricular activities are provided including entrance to national competitions, a Hans Woyda Quiz team, UKMT maths teams, Year 7 enrichment club, Mathematics Master Classes and Sixth Form conferences and lectures.



This summary should indicate that drive, energy and enthusiasm are essential qualities for this post as the teaching in the Mathematics Department is demanding but it is also very rewarding and stimulating. Mathematics teachers should be strong both academically and professionally, but also possess a sense of humour and be prepared to enjoy themselves!

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