

## The Mathematics Department

## Department Information for Teacher of Mathematics

The Department has consistently achieved excellent results at IGCSE, AS level and A level. Candidates for Oxbridge are numerous and receive additional teaching. Edexcel specifications are offered throughout the school. All girls enter the IGCSE at Higher tier and last summer, 60% of the girls gained a grade 9, with 97% of students gaining grades 7, 8 or 9.

Approximately two-thirds of Sixth Form students study Mathematics or Further Mathematics. Last summer 73% of A level results were at grade A or A\* for Mathematics, and 89% for Further Mathematics. Around 18 pupils each year go on to study mathematics-related subjects at university.

All mathematics classrooms have a ceiling projector and an interactive white board. Additional rooms with suites of computers are available and all students have iPads, which are used during lessons.

In Year 7, the girls are taught in mixed ability groups. There is a Mathematics club, *nQuire*, which offers a broader experience of the subject.

In Years 8 to 11, there are five divisions, split on ability, with more able groups being larger so that class numbers range from 10 to 28. In Year 11, the most able of students study for an additional qualification (FSMQ) in order to benefit their understanding at A level, whilst students who need additional support receive extra tuition.

The school enters girls for various Mathematical Challenges. All Year 12 girls studying AS Mathematics take the SMC. All girls from Years 9 and 10 enter the IMC and all girls from Years 7 and 8 enter the JMC. In addition, the school enters teams for the UKMT Team Mathematical Challenge and the Mathematical Olympiad for Girls. External lectures are advertised to Sixth Form mathematicians and there are occasional visits to relevant theatre presentations.

Our recent school inspection report stated: "They (pupils) show exceptional levels of achievement both in their work and in their activities, amply fulfilling the school's aim of academic excellence... They are logical and independent thinkers who listen extremely well... They have excellent mathematical skills which they apply confidently to their learning across the curriculum."

## General Teaching Job Description

- To plan, prepare and teach lessons as required by the department.
- To set homework and mark written work regularly and ensure that the correct procedures are followed if work is missing, incomplete or late.
- To set, supervise and mark school examinations and course work for public examinations.
- To assess, record and report on the development, progress and attainment of pupils and to communicate this information to parents via written reports and Parents' Evenings. To provide written information for the UCAS and other similar forms.
- To provide guidance and advice when subject choices are made.
- To review methods of teaching and programmes of work and participate in arrangements for further training and professional development.
- To contribute to departmental extra-curricular activities.
- To consult your line manager about any problems occurring over academic matters, such as aspects of the curriculum or the syllabus for GCSE or A-level.
- To keep records of attendance at lessons as required.
- To keep records of books distributed.
- To encourage as much use as possible of the school libraries and other resources.
- To invigilate and undertake administration associated with public examinations.
- To maintain good order and discipline among pupils and safeguard their health and safety.
- To use the behaviour management points system on the school's management information system and consult Assistant Heads or Form Tutors about serious discipline problems or any other difficulties pupils may cause, or may appear to be having.
- To contribute to PSHE and General Studies programmes as required.
- To attend Departmental, Year, Staff, Parents' and INSET meetings.
- To attend assemblies.
- To provide cover for absent staff, especially within the department, and to carry out other duties as required.
- To act as a Form Tutor if required.
- To adhere to school policy on safeguarding and update training as required.
- To ensure the safeguarding and well-being of children and young people at the school in accordance with school policies.

***Lady Eleanor Holles School is committed to safeguarding and promoting the welfare of children and young people, and expects all staff and volunteers to share this commitment.***

## Teacher of Mathematics Person Specification

	Essential	Desirable	Assessment via application form/ interview/lesson observation/written task
A strong academic background and a good honours degree or equivalent in Mathematics or other related subject	✓		Application form
A teaching qualification e.g. PGCE		✓	Application form
The ability to teach Mathematics at KS3, KS4 and A level	✓		Application form Lesson observation
The ability to teach both Mechanics/Statistics and Further Mathematics in the Sixth Form		✓	Application form
Very good teaching, communication and interpersonal skills	✓		Lesson observation
A willingness to participate in extra-curricular activities and trips, including nQuire or Maths Clinic	✓		Interview
Excellent written and spoken English	✓		Written task Interview
Good ICT skills	✓		Application form
Efficiency and reliability	✓		Interview
Active support of the ethos and aims of the school	✓		Interview
Committed to the safeguarding and well-being of children and young people	✓		Interview
<p>An application pack is available from the school's website <a href="http://www.lehs.org.uk">www.lehs.org.uk</a></p> <p>Applications must be made on the school's own form, to include a full supporting statement, and should be sent to <a href="mailto:personnel@lehs.org.uk">personnel@lehs.org.uk</a>. CVs will not be considered and should not be submitted.</p> <p><b>The closing date is noon on Thursday 24<sup>th</sup> January 2019, but applications will be dealt with on receipt and interviews may occur at any stage.</b></p> <p>Lady Eleanor Holles School Hanworth Road, Hampton, Middlesex TW12 3HF Tel: 020 8979 1601 <a href="mailto:personnel@lehs.org.uk">personnel@lehs.org.uk</a></p>			