

# John Willmott School



## MATHEMATICS DEPARTMENT INFORMATION

### **POST: TEACHER OF MATHEMATICS**

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At John Willmott School, Mathematics is an essential and exciting element of the core curriculum. It is our firm belief that all students can enjoy the opportunities this subject offers and succeed through positive, detailed Assessment for Learning.

It is a departmental policy that all staff have the opportunity to teach right across the ability and age range. We have a hard-working and extremely supportive team, and a strong track record of staff development with many new teachers going on to be successful in taking promoted posts at an early stage. Our commitment to students of all levels is demonstrated by the range of extra support offered in and out of lessons, with staff regularly providing extra help in after school sessions and revision days before exams.

#### **KEY STAGE 3 (Years 7 & 8)**

Our new Key Stage 3 Scheme of Learning is bespoke and is based around banding. We have developed our own online resources, which are used alongside our bank of differentiated worksheets, problem-solving tasks and resources developed by staff. Students in Key Stage 3 develop their numeracy to build on Key Stage 2 work and support them in preparation for starting GCSE. There are seven forms in Years 7 and 8 and students are taught in two half year groups with setting throughout.

#### **KEY STAGE 4 (Years 9 – 11)**

In Key Stage 4 students are again taught in half year groups, with four sets in each half of Year 9, 10 and 11. Students taking the new GCSE work towards the AQA exam which they take at the end of year 11. We currently have three sets working on the Higher tier, with five smaller groups working on the Foundation tier. Faculty outcomes last year required improvement and are working hard to bring these back to our previous level of success. We access support from within the Arthur Terry Learning Partnership and have a newly appointed Head of Mathematics to support the faculty in getting to good.

#### **MATHEMATICS IN THE SIXTH FORM**

In sixth form, we follow the AS/A level specification from Edexcel. We also offer further mathematics, and students have the choice of which options they wish to sit. In 2016, results were strong with 100% A\*-C in A2 and 83% A - C in AS. In 2017, there was a slight dip, with 100% of students achieving A\*-C in A2, but only 64% achieving A – C in AS (36% grade A).

## THE MATHEMATICS DEPARTMENT

The mathematics team are striving to provide the very best experience for students, and have recently appointed a new head of department who offers a hard-working but supportive environment. There are nine specialist teachers of Mathematics in the department who are always open to new ideas and initiatives. Teaching takes place in a dedicated Mathematics block where all the classrooms are fitted with projectors and whiteboards and staff are provided with their own laptops. We subscribe to MathsWatch and JustMaths and there is a wide range of resources available for use in lesson planning and to provide further support to students.

Assessment data is used on a regular basis and there is a high level of planned intervention to ensure that all students make good progress. A catch-up programme runs for identified students in year 7 & 8, and pupils receiving the Pupil Premium are targeted for extra support in Year 10 & 11. We have good record of success in “narrowing the gap” and vulnerable students perform well compared to the national average.

### Faculty Staff

**Sarah O'Connor**

*Head of Mathematics*

**Dave Easto**

*2<sup>nd</sup> in Mathematics (KS4)*

**Tracey Corbett-Lees**

*2<sup>nd</sup> in Mathematics (KS3)*

**Paul Averis**

*Deputy Headteacher*

**Jenny Brown**

*Mathematics Teacher*

**Suki Chana**

*Mathematics Teacher*

**Mandy Hawker**

*Mathematics Teacher*

**Chris Mitchell**

*Assistant Headteacher*

**Leo Wright**

*Mathematics Teacher*



**JOHN WILLMOTT SCHOOL**

**TEACHER OF MATHEMATICS**

**PERSON SPECIFICATION**

- The general Person Specification is as follows:

	<b>ESSENTIAL</b>
<b>Experience and Knowledge</b>	<ul style="list-style-type: none"> <li>• An excellent classroom teacher.</li> <li>• A good knowledge of the new Mathematics GCSE.</li> <li>• An understanding of the importance of Teaching and Learning to school improvement.</li> <li>• An understanding on inclusion and equal opportunity issues.</li> </ul>
<b>Skills and Abilities</b>	<ul style="list-style-type: none"> <li>• An enthusiasm for, and a commitment to, teaching Mathematics.</li> <li>• Excellent interpersonal skills.</li> <li>• Ability to work as part of a team, with the support of the Assistant Headteacher Mathematics.</li> <li>• An understanding of the use of IT in Mathematics.</li> <li>• Excellent communication skills.</li> <li>• Excellent time management skills.</li> <li>• A vision of their own potential contribution to the Mathematics team.</li> <li>• Concern for the wider education of the child through commitment to a pastoral role and to extra curriculum activities.</li> <li>• Ability to converse at ease with parents/pupils and members of the public and provide advice in accurate spoken English.</li> </ul>
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>• Qualified teacher status.</li> <li>• Professional qualifications appropriate to the subject, a Mathematics degree is desirable.</li> </ul>
<b>Other</b>	<ul style="list-style-type: none"> <li>• Excellent attendance and stamina.</li> <li>• Commitment to high standards and expectations.</li> <li>• Flexibility.</li> <li>• Ambition for promotion is desirable</li> </ul>