



St. Olave's Grammar School

Mathematics & Computing Faculty

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Mathematics & Computing Faculty is a highly successful Faculty, led by Mr James Davis, whose members have a wide variety of backgrounds and interests.

The Computing Department, run by Dr Bosede Onifade, has undergone significant investment in recent years, with purchases in new hardware and software supported by the PA. The department operates a two-year KS3 programme of study with a large emphasis on programming. Computing is a popular option at GCSE, and AS and A2 Computing are offered in the Sixth Form. A friendly and supportive environment, with two adjoining, specialist classrooms, encourages collaboration between staff.

Students are taught Computing for two periods a fortnight at KS3, rising to five periods a fortnight at KS4, where group sizes vary between 20 and 30. All classes are taught by one teacher but, where possible, these are varied from year to year.

In Year 7, all pupils follow a programme designed to compensate for the variation in experiences of Computing in their Primary Schools: we aim to teach the basic skills that support learning in subsequent years. In Year 8, all pupils follow a programme of study which focuses on developing programming skills and understanding hardware technology and their application in a real-world context. The GCSE programme of study commences in Year 9; students work on extended projects designed to develop computational thinking, analytical and problem solving skills. The GCSE programme continues in Year 10, with the emphasis on theoretical concepts, culminating in the completion of controlled assessments and external examinations in the summer term of Year 11.

Computing is a popular and extremely successful subject at this school, with recent results indicating that St Olave's is one of the highest ranking schools for adding value at KS5. The department prides itself in providing opportunities for pupils to develop skills and knowledge in a wide range of programming languages and this is often seen in the breadth of projects undertaken at Advanced level.

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