



Archbishop Tenison's

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CHURCH OF ENGLAND HIGH SCHOOL



# COMPUTER SCIENCE CURRICULUM

- *In Computer Science we study data storage, data representation, the processor, hardware and software, networking, programming in Python, and webpage creation in HTML, CSS and Javascript. In the 6<sup>th</sup> form we do extended development projects using industry standard development frameworks such as 'Flask' and 'Django'.*
- *We use many bespoke resources, CGP revision guides, A Level text books and a number of the new Computer Science education websites.*
- *Interesting parts of our curriculum are programming, web page creation and project work which includes using technical skill to do something creative such as web page creation.*



# WHAT'S GREAT ABOUT COMPUTER SCIENCE AT TENISON'S

*We teach by example, with students getting lots of 'hands on' experience of coding / development, and lots of experience of technical problem solving and using definitions correctly.*

*Innovative approaches?*

*We have a very experienced teaching team who have substantial experience of getting students high grades in exams by ongoing question practice of questions asking.*

*What do students like about your subject?*

*Pupils like the fact that Computer Science is practical and they are able to 'make something happen', something which is transferable into their own project work..... Fact that response is often immediate / fact that, as it's a technical subject, exams have some predictability and are easier to pass!*



# OPPORTUNITIES AND SUCCESSES

- *We usually run a gaming club on a Thursday lunchtime, and frequently assist students with their private coding / development projects.*
- *We've taken A Level and GCSE Computer Science students to Bletchley Park to see how one of the earliest Computers was used to break codes in World War 2.*
- *What do you offer in addition to the curriculum?*
- *In 2019 we attained 50% grade A at A Level, and in 2020 we attained a GCSE average grade of 6.63 ('high' B grade under the old system) and 100% A\*-B grades at A Level, with 50% A\* grades and 66% A\*-A grades.*
- *Many of our students go on to further study and in 2020, 100% of our A Level students have gone on to study Computer Science at degree level. Many ex-students go into Computer Science related careers.*