

## A-Level Computer Science

### Course outline:

This qualification is aimed at students who are wanting to open their minds to the world of Computer Science. You will learn how to further your programming abilities, understand more in depth the architecture of a computer system and how networking is pivotal to any successful business. At St Peter's School, we aim to prepare for you for further progression where students typically take Computer Science at university or follow a software engineering type apprenticeship

### How you will be assessed

Year 12: There is no formal assessment, but you will be preparing for the external examinations at the end of year 13. These units include:

Paper 1 – This paper covers advanced programming techniques, algorithms and programming design. 40% of final grade

Paper 2 – This paper covers networking, databases (SQL), logic gates and assembly languages. 40% of final grade

Programming project – This project will have you tackle a problem that will require a written program in python to work. 20% of final grade

**Entry requirements** 5 grade 4+. You do not need to have studied Computer Science at GCSE but is desirable.

### Where could the course take you

Most of our previous students of Computer Science have progressed to university. Many students progress to IT or Computing related degrees.

Learners could also progress onto a Level 4 apprenticeship such as Network Engineer or Software Developer or into employment in the IT sector in areas such as technical support, digital technologies, application development or data analysis.