



Skills

Knowledge

Mastery in Year 11

- Understanding how databases and SQL are used to store, organise and interrogate data.
- The ability to identify and analyse the impact of technology in the modern world.
- Practice exam technique, past paper practice and complete extensive revision.

Mastery in Year 10

- Applying problem-solving and computational thinking skills whilst learning programming.
- Developing knowledge in how data is represented using binary, and how hardware and software combine to make a working computer.
- Learning about how networks enable the sharing of information and how cyber security keeps our systems and data safe.

Mastery in Year 9

- Detecting and preventing cyber threats.
- Understanding the characteristics of data and using data manipulation methods.
- Developing programs on Python and understanding algorithms.

Mastery in Year 8

- Learning about different types of devices, hardware, and software, components of a computer and Artificial Intelligence.
- Studying computers, learning how computers are becoming more sophisticated through use of AI and machine learning.
- Developing computational skills and starting the basics of Python programming.

Mastery in Year 7

- Learning how to use, create and edit in Google Classroom and Google Drive.
- Understanding how to use computing technology safely.
- Breaking down tasks and applying computational thinking.
- Being introduced to new skills in spreadsheets and programming.

