

Curriculum Intent:

In the modern world more and more jobs rely on computer related skills as part of their daily routines. In order to be competitive in the workplace, it is essential that our students leave us with a solid understanding of how to use computers to facilitate whatever career they choose to follow.

The KS3 curriculum will teach students knowledge about computers and technology, but more importantly will teach them skills which can be applied to any future career.

A major component of the course is programming fundamentals, which are taught through Python, a highly transferrable language used by many organisations from financial institutions to scientific researchers. Programming allows students to develop “Computational thinking” and problem-solving skills as well as resilience and autonomy.

The course will look at the impact of Computers on our world, both positive and negative. Students will consider social as well as environmental impacts of computers and devices. Students will also study where computers and computer science may take us in the future, such as AI, IOT, and autonomous devices

Throughout the course, there will be a strong vocational focus. Students will learn about many of the different career opportunities available which use applied Computer Science and Information Technology skills and concepts.