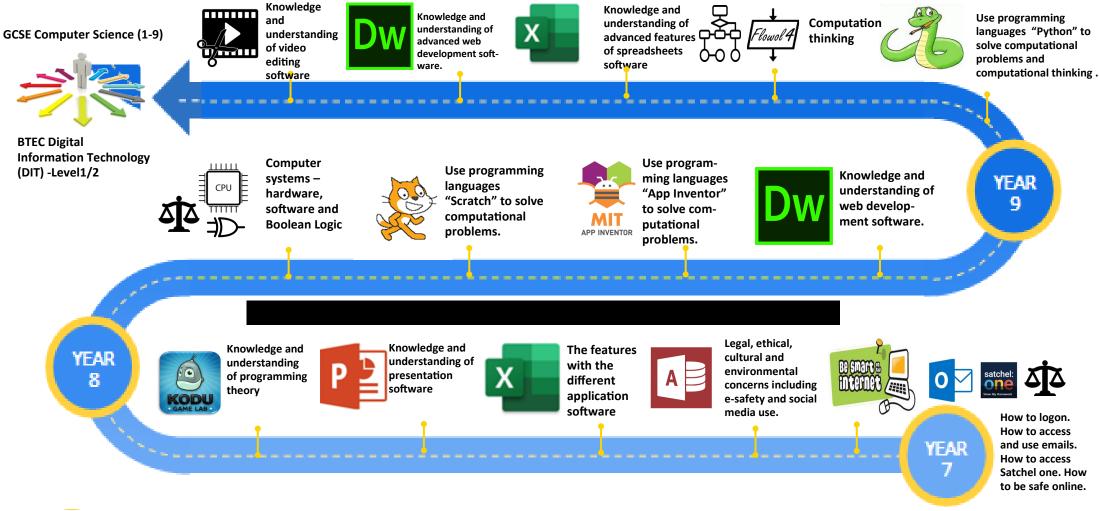'Our computer scientists pursue a course of study enabling them to solve problems using technology. They will become part of an exciting journey that is dynamic and pervades society. Through creativity and innovation computer scientists make a positive difference in the world.'

GCSE Computer Science (1-9)

Knowledge and understanding of video editing software

Knowledge and understanding of advanced web development software.

Knowledge and understanding of advanced features of spreadsheets software

Computation thinking

Use programming languages "Python" to solve computational problems and computational thinking .

BTEC Digital Information Technology (DIT) -Level1/2

Computer systems – hardware, software and Boolean Logic

Use programming languages "Scratch" to solve computational problems.

Use programming languages "App Inventor" to solve computational problems.

Knowledge and understanding of web development software.

YEAR 9

Knowledge and understanding of programming theory

Knowledge and understanding of presentation software

The features with the different application software

Legal, ethical, cultural and environmental concerns including e-safety and social media use.

YEAR 8

YEAR 7

How to logon. How to access and use emails. How to access Satchel one. How to be safe online.

WHAT DO WE RETURN TO ON OUR LEARNING JOURNEY?	
Concepts/ Ideas	**Skills**
Algorithms and Programming theory	Computational thinking and Use programming languages to solve computational problems.
Computer systems – hardware, software and Boolean Logic	
Legal, ethical, cultural and environmental concerns including e-safety and social media use.	
Software and Programs: spreadsheets, databases, presentation software, video editing software and web development software	Creating spreadsheets, databases, presentations, videos, web sites using appropriate software and tools
User requirements and briefs. Project management. Systems lifecycle.	Creating a product to meet user requirements. Managing a project using project planning tools. Problem-solving and design

EXCELLENCE *THROUGH* ENDEAVOUR