

# COMPUTING

## Intent

Computing enables students to become digital citizens.  
To develop the knowledge & skills needed to successfully use emerging technologies & participate fully in modern society.

## Overview:

The BTEC in Digital IT aims to develop the IT skills of students to equip them in their future employment.

The course is split into 3 components; 2 pieces of coursework, each worth 30%, and a written exam worth 40%.

The course develops knowledge of cloud computing, cyber security, Laws and policies, as well as equipping students with skills in office based software such as Powerpoint and Excel.

## Future careers:

- E-learning developer
- Forensic computer analyst
- Accountant
- Database administrator
- Social media manager
- Web editor
- Games developer

**Curriculum strands:** • Data representation • Logical thinking • Communication  
• Design • Security • Data analysis

**Curriculum structure:**

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	<b>Citizenship:</b> My body & me	<b>Citizenship:</b> Managing emotions	<b>Computing:</b> Scratch coding	<b>Citizenship:</b> Parliament & British values	<b>Citizenship:</b> Criminal justice & the law	<b>Computing:</b> Horizon's Den
Year 8	<b>Citizenship:</b> Public health	<b>Citizenship:</b> Crime & Punishment	<b>Computing:</b> Micro:Bit coding	<b>Citizenship:</b> Rights & Respect	<b>Citizenship:</b> Digital citizenship	<b>Computing:</b> Cyber Security
Year 9	<b>Citizenship:</b> Relationships, Sex & Health Education	<b>Citizenship:</b> RSHE	<b>Computing:</b> Cyber Security APP	<b>Citizenship:</b> Money matters	<b>Citizenship:</b> Relationships & family	<b>Computing:</b> Python Coding
Year 10	<b>Component 3:</b> Cyber Security	<b>Component 1:</b> User Interface practice	<b>Component 1:</b> Creating an effective user interface	<b>Component 1:</b> Creating an effective user interface	<b>Component 3:</b> Cloud Computing	<b>Component 2:</b> Data analysis practice
Year 11	<b>Component 2:</b> Data Analysis coursework	<b>Component 2:</b> Data Analysis coursework	<b>Component 3:</b> Data flow diagrams	<b>Component 3:</b> Laws, policies and key words		

Students are on a rotation with Computing & Citizenship & their yearly timetable will look like the example above.

