

Computing

Year 9 Overview

Year 9 explores option pathways through computing. Students explore iMedia projects, business projects as well as covering important current issues such as Cyber security. The topics in this year prepare students for KS4 and beyond.

Half Term	Curriculum Plan
1	Cyber security - This unit covers how our data is used and how it can be used by businesses to sell products. Students take a deep dive into cyber security issues such as hacking, viruses and ransomware before looking into ways to protect themselves and their devices from cyber security threats.
2	The Business Project - This topic allows students to explore an option choice that we offer whilst also show casing their office suite and research skills that they have built on in previous years. They then present their project to the group developing skills that they will use in KS4.
3	Photo Pea - This topic covers photo editing and image manipulation. Students use the Photo editing software Photo Pea to edit photos and design an album cover using their skills.
4	iMedia project - This unit explores the aspects of the iMedia course that we offer as a KS4 option. The project includes photo editing, media product design and how to collect assets to create a media product in the form of an information kiosk
5	Modelling data - This unit focuses on spreadsheets. Students design and create their own spread sheets as well as using formulas to make exploring a large data set easy. Students will learn to make decisions, complete quick calculations and present the data in charts.
6	Back to the future - This topic looks at famous computer scientists such as Alan Turing, Charles Babbage and Sir Tim Berners Lee, exploring their work. Getting students to use their knowledge to solve real life problems and crack codes.

Independent study:

In the lead up to assessment points students will be encouraged to focus on revision and retrieval practice to support assessment preparation.

Useful links:

[KS3 Computer Science - BBC Bitesize](#)
[OAKS National Academy](#)

Assessments:

There are two formal assessment points during the year:

January – Formal assessment covering the key knowledge and skills from the first two units.

June – Formal assessment covering the key knowledge and skills from all units studied throughout the year.