

Year 13 IT

The curriculum has been devised to develop the students' knowledge, understanding and skills of the essentials to IT. Students will practically apply their skills and knowledge through completion of a project.

Students will gain knowledge and understanding of the range of threats, vulnerabilities and risks that impact on both individuals and organisations.

Students will explore potential ideas for a new application and develop the fundamental design for it. They will then design and produce an interactive, responsive website that is specific to a client's needs.

Methods of deepening and securing knowledge:	
Retrieval practice	Starter activities are used whilst students login to computers, these are knowledge retrieval activities.
Interleaving	Knowledge is revisited several times throughout Year 12. Key concepts are repetitively covered using different scenarios and are interleaved within the curriculum.
Concrete examples	Concrete examples are used as the teacher demonstrates completed projects or tasks in creative or practical lessons to demonstrate how the skills taught can be applied to different scenarios.
Dual coding	Dual coding is used as instructions for tasks include written steps and images showing what icons or tools look like.

	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Topic(s)	Coursework: - Web design and prototyping - Application - Development Unit 3 - Cyber Security - Understand measures used to protect against cyber security incidents	Coursework: - Web design and prototyping - Application - Development Unit 3 - Cyber Security - Understand how to manage cyber security incidents	Coursework: - Web design and prototyping - Application - Development	Coursework: - Web design and prototyping - Application - Development		
Assessment	- End-of-topic tests	- End-of-topic tests - PPE	- External assessment	- Coursework (Externally Moderated)		

Independent Learning:

Independent learning is a core part of learning and serves to support the learning in class, enrich the student experience and develop knowledge and skills. Each theory lesson will include a follow up independent learning task for students to complete in their own study time. Preparing for assessment is an essential part of each topic as each assessment allows teachers and students to see their progress. It is crucial that revision is completed so students can show what they know.