"To equip our students with the knowledge to be skilled consumers and expert creators in our digital, connected world."

	Foci	Assessment	Knowledge Organiser
Unit 1	**E-Safety and IT Laws** • Online safety • IT laws • Copyright and plagiarism	Creating material to advise younger students how to stay safe online. Topic test.	Included in unit booklet
Unit 2	**Storing numbers in computers** • Binary • Hex • Addition and subtraction of binary numbers .	Conversion between numbers systems. Arithmetic tests. Topic test.	Included in unit booklet
Unit 3	**Algorithms and flowcharts** • Abstraction • Representing data in flowcharts	Use Flowol app to develop and test flowcharts. Topic test.	Included in unit booklet
Unit 4	**Data Security** • Threats to data • Online threats • Protection and prevention	Describe online threats and suggest appropriate security/prevention measures. Topic test.	Included in unit booklet
Unit 5	**Digital imaging** • How digital images are stored • Manipulate digital images. • Understand ethical issues around images and their use	Adapt images to build skills. Understand the ethics of adapting images. Topic test.	Included in unit booklet
Unit 6	**Website creation** • Create a multi-page website. • HTML • CSS	Create a multi-page website, use CSS to give it a consistent look and feel. Topic test.	Included in unit booklet.