



“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 introduction <ul style="list-style-type: none">• Introduction to Nobel school systems• Online safety• Cyber bullying• Your digital self• Social media	Creating material to advise younger students how to stay safe online. Topic test.	Included in unit booklet
Unit 2	Hardware and CPU <ul style="list-style-type: none">• Hardware, input and output• Key components of a computer• CPU performance.• Computer memory.	Recognising key components. Explaining how CPU performance can be improved. Topic test.	Included in unit booklet
Unit 3	Algorithms and coding <ul style="list-style-type: none">• Algorithms and logic• Flowcharts• Pseudocode• Tracing programs	Draw flowcharts to solve a problem. Write pseudocode to simulate a program. Topic test.	Included in unit booklet
Unit 4	Collecting and presenting data <ul style="list-style-type: none">• Input and output• Modelling data• Collecting data• Plagiarism and copyright• Presenting data	Produce mind-maps to give structure to data. Produce charts to illustrate key points in data. Topic test.	Included in unit booklet
Unit 5	IT Microsoft Skills, Digital Literacy <ul style="list-style-type: none">• Word, Excel, Powerpoint		
Unit 6	Coding using blocks <ul style="list-style-type: none">• Use Kodu to design and create a game.•	Design game. Develop skills with prototype games. Create a game to match the design. Topic test.	Included in unit booklet