

Autumn									Outcome	Vocabulary
Year 6 Computer Systems and Networks-Communication and collaboration	1 st Half	Learning: To explain the importance of internet addresses	Learning: To recognise how data is transferred across the internet	Learning: To explain how sharing information online can help people to work together	Learning: To evaluate different ways of working together online	Learning: To recognise how we communicate using technology	Learning: To evaluate different methods of online communication	Summative Assessment	To identify and explore how data is transferred and information is shared online.	Protocols Internet Protocol (IP) addresses Domain Name Server Data Packets
Year 6 Creating Media-Web Page Creation	2 nd Half	Learning: To review an existing website and consider its structure	Learning: To plan the features of a web page	Learning: To consider the ownership and use of images (copyright)	Learning: To recognise the need to preview pages	Learning: To outline the need for a navigation path	Learning: To recognise the implications of linking to content owned by other people	Summative Assessment	To design and create webpages, giving consideration to copyright, aesthetics and navigation.	Website HTML (Hypertext Markup Language) Hyperlink
Spring									Outcome	Vocabulary
Year 6 Programming A- Variables in Games	1 st Half	Learning: To define a 'variable' as something that is changeable	Learning: To explain why a variable is used in a program	Learning: To choose how to improve a game by using variables	Learning: To design a project that builds on a given example	Learning: To use my design to create a project	Learning: To evaluate my project	Summative Assessment	To explore variables when designing and coding a game.	Variable Algorithm Code
Year 6 Data and Information-Spreadsheets	2 nd Half	Learning: To create a data set in a spreadsheet	Learning: To build a data set in a spreadsheet	Learning: To explain that formulas can be used to produce calculated data	Learning: To apply formulas to data	Learning: To create a spreadsheet to plan an event	Learning: To choose suitable ways to present data	Summative Assessment	To answer questions by using spreadsheets to organise and calculate data.	Spreadsheet Cell Formula Function

Summer									Outcome	Vocabulary
Year 6 Creating Media-3D Modelling	1 st Half	Learning: To recognise that you can work in three dimensions on a computer	Learning: To identify that digital 3D objects can be modified	Learning: To recognise that objects can be combined in a 3D model	Learning: To create a 3D model for a given purpose	Learning: To plan my own 3D model	To create my own digital 3D model	Summative Assessment	To plan, develop and evaluate 3D computer models of physical objects.	3D- Three-dimensions Work plane Modify Placeholders
Year 6 Programming B- Sensing	2 nd Half	Learning: To create a program to run on a controllable device	Learning: To explain that selection can control the flow of a program	Learning: To update a variable with a user input	Learning: To use a conditional statement to compare a variable and a value	Learning: To design a project that uses inputs and outputs on a controllable device	Learning: To develop a program to use inputs and outputs on a controllable device	Summative Assessment	To design and code a project that captures inputs from a physical device.	Micro:bit Emulator Initialisation