

Autumn									Outcome	Vocabulary
Year 5 Computer Systems and Networks- Systems and Searching	1 st Half	Learning: To explain that computers can be connected together to form systems	Learning: To recognise the role of computer systems in our lives	Learning: To identify how to use a search engine	Learning: To describe how search engines select results	Learning: To explain how search results are ranked	Learning: To recognise why the order of results is important, and to whom	Summative Assessment	To recognise IT systems around us and how they allow us to search the internet.	Computer System SEO (Search Engine Optimisation)
Year 5 Creating Media-Video Production	2 nd Half	Learning: To explain what makes a video effective	Learning: To use a digital device to record video	Learning: To capture video using a range of techniques	Learning: To create a storyboard	Learning: To identify that video can be improved through reshooting and editing	Learning: To consider the impact of the choices made when making and sharing a video	Summative Assessment	To plan, capture and edit video to produce a short film.	Video Framing (shot types) Filming techniques Storyboard
Spring									Outcome	Vocabulary
Year 5 Programming A- Selection in Physical Computing	1 st Half	Learning: To control a simple circuit connected to a computer	Learning: To write a program that includes count-controlled loops	Learning: To explain that a loop can stop when a condition is met	Learning: To explain that a loop can be used to repeatedly check whether a condition has been met	Learning: To design a physical project that includes selection	Learning: To create a program that controls a physical computing project	Summative Assessment	To explore conditions and selection using a programmable microcontroller.	Microcontroller Conditions Selection
Year 5 Data and Information- Flat-file Databases	2 nd Half	Learning: To use a form to record information	Learning: To compare paper and computer-based databases	Learning: To outline how you can answer questions by grouping and then sorting data	Learning: To explain that tools can be used to select specific data	Learning: To explain that computer programs can be used to compare data visually	Learning: To use a real-world database to answer questions	Summative Assessment	To use a database to order data and create charts to answer questions	Database Records Fields Value

Summer									Outcome	Vocabulary
Year 5- Creating Media- Introduction to vector graphics	1 st Half	Learning: To identify that drawing tools can be used to produce different outcomes	Learning: To create a vector drawing combining shapes	Learning: To use tools to achieve a desired effect	Learning: To recognise that vector drawings consist of layers	Learning: To group objects to make them easier to work with	Learning: To apply what I have learned about vector drawings	Summative Assessment	To create images in a drawing program by using layers and groups of objects.	Vector drawing Objects Copy Zoom tool
Year 5 Programming B- Selection in Quizzes	2 nd Half	Learning: To explain how selection is used in computer programs	Learning: To relate that a conditional statement connects a condition to an outcome	Learning: To explain how selection directs the flow of a program	Learning: To design a program that uses selection	Learning: To create a program that uses selection	Learning: To evaluate my program	Summative Assessment	To explore selection in programming to design and code an interactive quiz.	Conditions Selection Algorithm