



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Computing systems and networks – Systems & Searching	Computing systems and networks – Systems & Searching	Computing systems and networks – Systems & Searching	Computing systems and networks – Systems & Searching	Computing systems and networks – Systems & Searching	Computing systems and networks – Systems & Searching
	Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	Lesson 6:
Term 1	LO: To explain that computers can be connected together to form systems. KS2: CO 1, 2, 4, 6	LO: To recognise the role of computer systems in our lives. KS2: CO 1, 2, 4, 6	LO: To experiment with search engines. KS2: CO 1, 2, 4, 6	LO: To describe how search engines select results. KS2: CO 1, 2, 4, 6	LO: To explain how search results are ranked. KS2: CO 1, 2, 4, 6	LO: To recognise why the order of results is important, and to whom. KS2: CO 1, 2, 4, 6
	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):
	Investigation (Networks) Materials (Hardware)	Materials (Hardware)	Comparison (Digital searching)	Comparison (Digital searching)	<b>Comparison</b> (Digital searching)	<b>Comparison</b> (Digital searching)
	Creating media - Video Production	Creating media - Video Production	Creating media - Video Production	Creating media - Video Production	Creating media - Video Production	Creating media - Video Production
	Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	Lesson 6:
Term 2	LO: To explain what makes a video effective. KS2: CO 5, 6, 7	LO: To identify digital devices that can record video. KS2: CO 5, 6, 7	LO: To capture video using a range of techniques. KS2: CO 5, 6, 7	LO: To create a storyboard. KS2: CO 5, 6, 7	LO: To identify that video can be improved through reshooting and editing. KS2: CO 5, 6, 7	LO: To consider the impact of the choices when making and sharing a video.  KS2: CO 5, 6, 7





	Big Idea (Aspect):					
	Place (Real world) Materials (Software) Creativity (Creation)					
	Programming A – Selection in physical computing.					
	Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	Lesson 6:
Term 3	LO: To control a simple circuit connected to a computer. KS2: CO 1, 2, 3, 6	LO: To write a program that includes count-controlled loops. KS2: CO 1, 2, 3, 6	LO: To explain that a loop can stop when a condition is met. KS2: CO 1, 2, 3, 6	LO: To explain that a loop can be used to repeatedly check whether a condition has been met.  KS2: CO 1, 2, 3, 6	LO: To design a physical project that includes selection. KS2: CO 1, 2, 3, 6	LO: To create a program that controls a physical computing project. KS2: CO 1, 2, 3, 6
	Big Idea (Aspect):					
	Investigation (Data and Computational Thinking) Processes (Physical Interaction) Materials (Hardware)					
Term 4	Data and information - Flat-file databases.					





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	<b>Lesson 1:</b> Creating a paper-based database	Lesson 2: Computer databases	Lesson 3: Using a database	<b>Lesson 4:</b> Using search tools	<b>Lesson 5:</b> Comparing data visually	<b>Lesson 6:</b> Databases in real life
	LO: To choose a form to record information. KS2: CO 5, 6	LO: To compare and computer-based databases KS2: CO 5, 6	LO: To outline how you can answer questions by grouping and then sorting data KS2: CO 5, 6	LO: To explain that tools can be used to select specific data KS2: CO 5, 6	LO: To explain that computer programs can be used to compare data visually KS2: CO 5, 6	LO: To use a real-world databases to answer questions. KS2: CO 5, 6
	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):
	Nature (Real world)	Nature (Real world)	Nature (Real world)	Nature (Real world)	Nature (Real world)	Nature (Real world) Place (Real world)
	Creating media - Introduction to vector graphics.	Creating media - Introduction to vector graphics.	Creating media - Introduction to vector graphics.	Creating media - Introduction to vector graphics.	Creating media - Introduction to vector graphics.	Creating media – Introduction to vector graphics.
	Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	Lesson 6:
Term 5	LO: To identify that drawing tools can be used to produce different outcomes KS2: CO 6	LO: To create a vector drawing by combining shapes KS2: CO 6	LO: To use tools to achieve a desired effect KS2: CO 6	LO: To recognise that vector drawings consist of layers KS2: CO 6	LO: To group objects to make them easier to work with KS2: CO 6	LO: To apply what I have learned about vector drawings KS2: CO 6
	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):
	Place (Digital World)	Place (Digital World)	Place (Digital World)	Place (Digital World)	Place (Digital World)	Place (Digital World)





	Creativity (Creation)	Creativity (Creation)	Creativity (Creation)	Creativity (Creation)	Creativity (Creation)	Creativity (Creation)
	Programming B – Selection in quizzes.	Programming B – Selection in quizzes.	Programming B – Selection in quizzes.	Programming B – Selection in quizzes.	Programming B – Selection in quizzes.	Programming B – Selection in quizzes.
	Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:	Lesson 6:
Term 6	LO: To explain how selection is used in computer programs KS2: CO 1, 2, 3, 6	LO: To relate that a conditional statement connects a condition to an outcome KS2: CO 1, 2, 3, 6	LO: To explain how selection directs the flow of a program KS2: CO 1, 2, 3, 6	LO: To design a program which uses selection KS2: CO 1, 2, 3, 6	LO: To create a program which uses selection KS2: CO 1, 2, 3, 6	LO: To evaluate my program KS2: CO 1, 2, 3, 6
	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):	Big Idea (Aspect):
	Investigation (Data and Computational Thinking) Materials (Software)	Investigation (Data and Computational Thinking) Materials (Software)	Investigation (Data and Computational Thinking) Materials (Software)	Investigation (Data and Computational Thinking) Materials (Software)	Investigation (Data and Computational Thinking) Materials (Software)	Investigation (Data and Computational Thinking) Materials (Software)