CINAL DATE OF CONTRACT OF CONTRACT.	Computing Whole School Mapping NC Objectives UKS2					
Cycle 1	Fabulous Food	Exploring Hinduism	Journey to Space	World War One	RSE Focu	
Cycle 2	Famous People	Mayans	Asia	Vikings	Plants	
Teach Computing Unit	Computing systems and networks – Sharing information	Programming A – Selection in physical computing	Creating Media – Video editing	Creating Media – Vector Drawing	Data and information – F	
Online Safety Unit	Privacy and Security	Managing Online Information	Self-Image and Identity	Online Bullying	Online Relatio	
	National Curriculum Objectives Teach Commuting Lea					
Autumn 1 Computing systems and networks – Sharing information	<ul> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</li> <li>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> <li>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report</li> </ul>				onnected together to form sy systems in our lives unsferred over the internet online lets people in differen nline ng together online	
Autumn 2 Programming A – Selection in physical computing	<ul> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> </ul>			<ul> <li>To control a simple circuit connected to a computer</li> <li>To write a program that includes count-controlled loops</li> <li>To explain that a loop can stop when a condition is met</li> <li>To explain that a loop can be used to repeatedly check whether</li> <li>To design a physical project that includes selection</li> <li>To create a program that controls a physical computing project</li> </ul>		
<b>Spring 1</b> Creating Media – Video editing	<ul> <li>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> <li>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</li> </ul>			<ul> <li>To explain what makes a video effective</li> <li>To identify digital devices that can record video</li> <li>To capture video using a range of techniques</li> <li>To create a storyboard</li> <li>To identify that video can be improved through reshooting and short of the choices made when making and short of the choices made when made when making and short of the choices made when made when made whe</li></ul>		
<b>Spring 2</b> Creating Media – Vector Drawing	<ul> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> </ul>			<ul> <li>To identify that drawing tools can be used to produce different of To create a vector drawing by combining shapes</li> <li>To use tools to achieve a desired effect</li> <li>To recognise that vector drawings consist of layers</li> <li>To group objects to make them easier to work with</li> <li>To evaluate my vector drawing</li> </ul>		
Summer 1 Data and information – Flat-file databases	<ul> <li>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> <li>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li> </ul>			<ul> <li>To use a form to record information</li> <li>To compare paper and computer-based databases</li> <li>To outline how grouping and then sorting data allows us to answ</li> <li>To explain that tools can be used to select specific data</li> <li>To explain that computer programs can be used to compare data</li> <li>To apply my knowledge of a database to ask and answer real-work</li> </ul>		
Summer 2 Programming B – Selection in quizzes	<ul> <li>design, write and debug programs that decomposing them into smaller parts</li> <li>use sequence, selection, and repetitio</li> <li>use logical reasoning to explain how select, use and combine a variety of seprograms, systems and content that a information</li> </ul>	t accomplish specific goals, including controlling or n in programs; work with variables and various for ome simple algorithms work and to detect and cor oftware (including internet services) on a range of ccomplish given goals, including collecting, analysi	r simulating physical systems; solve problems by ms of input and output rect errors in algorithms and programs digital devices to design and create a range of ng, evaluating and presenting data and	<ul> <li>To explain how selection is used in computer programs</li> <li>To relate that a conditional statement connects a condition to a</li> <li>To explain how selection directs the flow of a program</li> <li>To design a program which uses selection</li> <li>To create a program which uses selection</li> <li>To evaluate my program</li> </ul>		

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