

Computing - Composite Knowledge

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
--	---------------	---------------	---------------	---------------	---------------	---------------

Computing - Composite Knowledge

<h1 style="writing-mode: vertical-rl; transform: rotate(180deg);">Computer Science</h1>	<p>What is an algorithm? Algorithms are instructions</p> <p>Instructions start with verbs <i>Jam sandwich</i> <i>Beebots</i></p>	<p>What is an algorithm? Algorithms are instructions</p> <p>Instructions start with verbs <i>Jam sandwich</i> <i>Beebots</i></p>	<p>How do I design a program to accomplish a specific goal? How to I decide a goal?</p> <p>How do I plan an algorithm?</p>	<p>How do I design a program to accomplish a specific goal? How to I decide a goal?</p> <p>How do I plan an algorithm?</p>	<p>How do I design a program to accomplish a specific goal? How to I decide a goal?</p> <p>How do I plan an algorithm?</p>	<p>How do I design a program to accomplish a specific goal? How to I decide a goal?</p> <p>How do I plan an algorithm?</p>
	<p>How do computers know what to do? Computers follow instructions.</p> <p>Computers follow instructions in order.</p> <p>They follow them exactly. <i>Jam sandwich</i> <i>Beebots</i></p>	<p>How do you create a simple program? Making things move.</p> <p>How can I start instructions?</p> <p>How can I change how things move? <i>2code:</i> <i>Haunted house</i> <i>Snail Race</i> <i>Vechiles</i></p>	<p>How do you get a program to select a variable? How can I start a program?</p> <p>What actions can a program do?</p> <p>How to you make a program repeat and instruction? What is a timer?</p> <p>When does a timer start?</p>	<p>How do you get a program to select a variable? How can I start a program?</p> <p>What actions can a program do?</p> <p>How do scale factors work?</p> <p>How to you make a program repeat and instruction? What is a timer?</p> <p>When does a timer start?</p>	<p>How do you large solve problems in chunks? How do I approach a problem?</p> <p>How do I break down a problem?</p> <p>What steps might I take?</p> <p><i>2maze</i> <i>2code:</i> <i>Splatty bug</i> <i>Helicopter swipe game</i> <i>Catching game</i> <i>Football game</i></p>	<p>How do algorithms solve their own problems? How do computers complete sums?</p> <p>How does the computer create and output?</p> <p><i>2code</i> <i>Coding principles</i></p> <p>How do simple algorithms work? What is an algorithm?</p>

Computing - Composite Knowledge

	<p>How do instructions start? <i>2maze: turtle Beebots</i></p> <p>How do you create a simple program?</p> <p>Making things move. <i>2code: Fun with fish Bubbles Air traffic control</i></p>	<p><i>Guard the castle Princess and the frog</i></p> <p>How do you debug a program? What is a bug?</p> <p>How can I edit code?</p> <p>How can you predict what a program will do? What does code say?</p> <p>How do I read code.</p>	<p>How can I sequence a code? What is a timer?</p> <p>When does a timer start?</p> <p>How can I sequence code?</p> <p>How do I use and after timer? <i>2code: Ticktok clock Magican</i></p>	<p>How do I use an “every” timer?</p> <p>How can I sequence a code? What is a timer?</p> <p>I can use “if then” codes.</p> <p>When does a timer start?</p> <p>How can I sequence code?</p> <p>How do I use and after timer?</p> <p><i>2code Superheroes Shapes Guard the castle 2 Random wizard Traffic lights Vechicles 2 Switching backgrounds Day and night</i></p>	<p>How do simple algorithms work? What is an algorithm?</p> <p>What is it asking the computer to do?</p> <p>How to computers control and create input and outputs? How does the computer do multiple things?</p> <p>How do the programs talk to each other? <i>2code: Splatty bug Helicopter swipe game Catching game Football game Free code</i></p>	<p>What is it asking the computer to do?</p> <p>How to computers control and create input and outputs? How does the computer do multiple things?</p> <p>How do the programs talk to each other? <i>2maze 2code: Splatty bug Helicopter swipe game Catching game Football game Free code</i></p>
--	---	--	--	---	---	--

Computing - Composite Knowledge

<h1 style="margin: 0;">Digital Literacy</h1>	<p>How do you store digital content? How do you save a document?</p> <p>What does saving mean?</p>	<p>How do you create digital content? What is PowerPoint?</p> <p>How is PowerPoint used?</p>	<p>How do you use a range of programs to create content? How do you use word to make a document?</p> <p>How do you use PowerPoint?</p>	<p>How do you use a range of programs to create content? How do I use word and PowerPoint?</p> <p>How do I use excel?</p>	<p>How do you combine programs to create content? How do I use word and excel?</p> <p>How do I use windows media player?</p>	<p>How do you combine programs to create content? How do I use Microsoft team's documents?</p> <p>How do I use publisher?</p>
	<p>How do you retrieve digital content? How do I open a document?</p> <p>How do I find my documents?</p>	<p>What is Excel?</p> <p>What is Excel used fot?</p>	<p>To design content for a specific purpose. How do I make a document fit for purpose?</p>	<p>To design content for a specific purpose? How do I use the sum function in excel? <i>=sum(,)</i></p>	<p>How do I use PowerPoint?</p>	<p>To design content for a specific purpose. How do I create a pleasing design?</p>
	<p>How do you create digital content? How do you make a new document?</p> <p>How do you type on a document?</p> <p><i>Microsoft word</i></p>	<p>How do you organise digital content? How do I save in my own file?</p> <p>How do I access work on team's files?</p>	<p>How do you change the look of a document?</p> <p>How do you create slides for a presentation on PowerPoint using animations?</p>	<p>How do I use multiply function in excel? <i>= *_</i></p> <p>How do I use conditional formatting in excel?</p>	<p>To design content for a specific purpose. How do create a video?</p> <p>How do I edit a video?</p>	<p>How do I work on documents together?</p>
		<p>How do you manipulate digital content? How do you take photos?</p>		<p>How do you collect and show data? How can I make a table in Excel?</p>	<p>How do I plan and create a presentation?</p> <p>How do I deliver a presentation?</p>	<p>How do you analyse and evaluate content? What makes good content?</p> <p>How do I check for good content?</p>

Computing - Composite Knowledge

		How can you use photo? <i>GFL stop animation</i>	How do you collect and show data?	How can I make a bar chart or graph in excel?	How do you analyse content? What makes content fit for purpose? How do I check my content?	How can I improve my content?
--	--	---	--	---	---	-------------------------------

Computing - Composite Knowledge

Computers, networks and World wide web	<p>How is ICT used outside of school? What might I Use ICT for at home?</p> <p>How can we use ICT in lessons?</p> <p>What things use a computer to control them?</p>	<p>/</p>	<p>What are output and input devices? What is an input device?</p> <p>How are input devices used?</p> <p>What is an output device?</p> <p>How do you use a output device?</p>	<p>How do I use input devices? How can we use a camera?</p> <p>How can we input data using other devices?</p> <p>What is a search engine? What search engines are there?</p> <p>what is the job of a search engine?</p> <p>How do search engines make links?</p> <p>How do you use search engines effectively? What is a key word search?</p> <p>How to I find information?</p>	<p>What is the www? When and where was the world wide web created?</p> <p>what is a domain name?</p> <p>What is an address and how does it work?</p> <p>How can you communicate online? How can we communicate online?</p> <p>What programs are available to communicate with others?</p> <p>How can you collaborate online? How are we able to work with</p>	<p>What is the www? When and where was the world wide web created?</p> <p>what is a domain name?</p> <p>What is an address and how does it work?</p> <p>How can you communicate online? How can we communicate online?</p> <p>What programs are available to communicate with others?</p> <p>How can you collaborate online? How are we able to work with</p>
---	---	----------	--	--	--	--

Computing - Composite Knowledge

				<p>How do I know which links to open after my search?</p>	<p>someone else online?</p> <p>How does teams allow us to work with others?</p> <p>How do shared projects work?</p>	<p>someone else online?</p> <p>How does teams allow us to work with others?</p> <p>How do shared projects work?</p> <p>How do search engines work? what is the job of a search engine?</p> <p>How do search engines make links?</p> <p>How can I evaluate the content of a search engine?</p> <p>What is fake news?</p> <p>How do you know if you can trust a source?</p>
--	--	--	--	---	---	--

Computing - Composite Knowledge

Please see suggested half termly topics for half termly online safety lesson L.O.s

Computing - Composite Knowledge

<h1>Online Safety</h1>	<p>How do you keep personal information private? What information do I need to keep private?</p>	<p>How do you keep personal information private? What information do I need to keep private?</p>	<p>How to be respectful online? How does being online effect my relationships?</p>	<p>How to be respectful online? What strategies can be used to be respectful when online in social environments?</p>	<p>How to be respectful online? How to use online responsibly? How do you know who owns the content?</p>	<p>How to be respectful online? How to use online responsibly? How do you know who owns the content?</p>
	<p>What is an account?</p>	<p>What is an account?</p>	<p>How do I know what to share about myself and others?</p>	<p>How do people change online?</p>	<p>What is acceptable / unacceptable behaviour? What information should be posted about others?</p>	<p>How do you know what content to trust?</p>
	<p>What is an avatar and how does it keep me safe? <i>Purple mash</i></p>	<p>What is an avatar and how does it keep me safe?</p>	<p>What work am I allowed to share online and why?</p>	<p>How to use online responsibly? How can using technology be a distraction from other things?</p>	<p>What type of language should be us online?</p>	<p>What is acceptable / unacceptable behaviour? What information should be posted about others?</p>
	<p>Where do I go if I need help online? What problems might I have online?</p>	<p>Where do I go if I need help online? What problems might I have online?</p>	<p>How to use online responsibly? How long should we spend online?</p>	<p>what strategies can be put in place to limit time online? Why might these be needed?</p>	<p>How do I report content? How do you know who owns the content?</p>	<p>What type of language should be us online?</p>
	<p>How can I report a problem?</p>	<p>What places online might be risky?</p>	<p>How does being online effect my physical and mental health?</p>	<p>How do you know who owns the content?</p>	<p>How do I report content? How do you know who owns the content?</p>	<p>What type of language should be us online?</p>
	<p>Who can I talk to about online safety? What makes a responsible adult?</p>	<p>How can I report a problem?</p>	<p>What are age restrictions and why are they needed?</p>			<p>How do I report content? How do you know who owns the content?</p>

Computing - Composite Knowledge

		<p>Who can I talk to about online safety? What makes a responsible adult?</p>		<p>How do you know what content to trust?</p> <p>What is acceptable / unacceptable behaviour? What information should be posted about others?</p> <p>What type of language should be us online?</p>		
--	--	--	--	--	--	--