

## Computing – Composite Knowledge

**EYFS –**

Do you have strategies for solving problems? Can you use directional language? Do you know computers are machines that come in many different forms? Can you use a computer to perform a simple task? Do you know we can find information using computers? Can you find places on Google Maps?

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<b>Computer Science</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>	<b>Year Four</b>	<b>Year Five</b>	<b>Year Six</b>
	<p><b>What is an algorithm?</b> Algorithms are instructions</p>	<p><b>What is an algorithm?</b> Algorithms are instructions</p>	<p><b>How do I design a program to accomplish a specific goal?</b> How to I decide a goal?</p>	<p><b>How do I design a program to accomplish a specific goal?</b> How to I decide a goal?</p>	<p><b>How do I design a program to accomplish a specific goal?</b> How to I decide a goal?</p>	<p><b>How do I design a program to accomplish a specific goal?</b> How to I decide a goal?</p>
	<p>Instructions start with verbs <i>Jam sandwich</i> <i>Beebots</i></p>	<p>Instructions start with verbs <i>Jam sandwich</i> <i>Beebots</i></p>	<p>How do I plan an algorithm?</p>	<p>How do I plan an algorithm?</p>	<p>How do I plan an algorithm?</p>	<p>How do I plan an algorithm?</p>
	<p><b>How do computers know what to do?</b> Computers follow instructions.</p>	<p><b>How do you create a simple program?</b> Making things move.</p>	<p>How can I start a program?</p> <p>What actions can a program do?</p>	<p><b>How do you get a program to select a variable?</b> How can I start a program?</p>	<p><b>How do you large solve problems in chunks?</b> How do I approach a problem?</p>	<p><b>How do algorithms solve their own problems?</b> How do computers complete sums?</p>
	<p>Computers follow instructions in order.</p>	<p>How can I start instructions?</p>	<p><b>How to you make a program repeat and instruction?</b> What is a timer?</p>	<p>What actions can a program do?</p>	<p>How do I break down a problem?</p>	<p>How do computers complete sums?</p>
	<p>They follow them exactly. <i>Jam sandwich</i> <i>Beebots</i></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>When does a timer start?</p> <p>How do I use an “every” timer?</p>	<p>How do scale factors work?</p>	<p>What steps might I take?</p>	<p>How does the computer create and output?</p>
	<p><b>How do you give a clear instruction?</b></p>		<p><b>How can I sequence a code?</b> What is a timer?</p>	<p><b>How to you make a program repeat and instruction?</b></p>	<p><i>2maze</i> <i>2code:</i> <i>Splatty bug</i></p>	<p><i>2code</i></p>

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	<p>What is an instruction?</p> <p>How do instructions start? <i>2maze: turtle Beebots</i></p> <p><b>How do you create a simple program?</b></p> <p>Making things move. <i>2code: Fun with fish Bubbles Air traffic control</i></p>	<p>How do you make a program interact? <i>2code: Guard the castle Princess and the frog</i></p> <p><b>How do you debug a program?</b> What is a bug?</p> <p>How can I edit code?</p> <p><b>How can you predict what a program will do?</b> What does code say?</p> <p>How do I read code.</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>What is a timer?</p> <p>When does a timer start?</p> <p>How do I use an “every” timer?</p> <p><b>How can I sequence a code?</b> 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</i></p>	<p><i>Helicopter swipe game Catching game Football game</i></p> <p><b>How do simple algorithms work?</b> What is an algorithm? What is it asking the computer to do?</p> <p><b>How to computers control and create input and outputs?</b> How does the computer do multiple things?</p> <p>How do the programs talk to each other?</p> <p><i>2code:</i></p>	<p><i>Coding principles</i></p> <p><b>How do simple algorithms work?</b> What is an algorithm? What is it asking the computer to do?</p> <p><b>How to computers control and create input and outputs?</b> How does the computer do multiple things?</p> <p>How do the programs talk to each other? <i>2maze</i></p>
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				<i>Guard the castle 2 Random wizard Traffic lights Vehicles 2 Switching backgrounds Day and night</i>	<i>Fireworks Genie Free code</i>	<i>2code: Splatty bug Helicopter swipe game Catching game Football game Free code</i>
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## Computing – Composite Knowledge

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

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		How can you use photo? <i>GFL stop animation</i>		<b>How do you collect and show data?</b> How can I make a table in Excel?  How can I make a bar chart or graph in excel?	<b>How do you analyse content?</b> What makes content fit for purpose?  How do I check my content?	<b>evaluate content?</b> What makes good content?  How do I check for good content?  How can I improve my content?
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<b>Computers, networks and World wide web</b>	<p><b>How is ICT used outside of school?</b> 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><b>What are output and input devices?</b> 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><b>How do I use input devices?</b> How can we use a camera?</p> <p>How can we input data using other devices?</p> <p><b>What is a search engine?</b> 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><b>How do you use search engines effectively?</b> What is a key word search?</p>	<p><b>What is the www?</b> 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><b>How can you communicate online?</b> How can we communicate online?</p> <p>What programs are available to communicate with others?</p> <p><b>How can you collaborate online?</b></p>	<p><b>What is the www?</b> 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><b>How can you communicate online?</b> How can we communicate online?</p> <p>What programs are available to communicate with others?</p>
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**Computing – Composite Knowledge**

				<p>How to I find information?</p> <p>How do I know which links to open after my search?</p>	<p>How are we able to work with someone else online?</p> <p>How does teams allow us to work with others?</p> <p>How do shared projects work?</p>	<p><b>How can you collaborate online?</b></p> <p>How are we able to work with someone else online?</p> <p>How does teams allow us to work with others?</p> <p>How do shared projects work?</p> <p><b>How do search engines work?</b></p> <p>what is the job of a search engine?</p> <p>How do search</p>
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						<p>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>
	<b>Please see suggested half termly topics for half termly online safety lesson L.O.s</b>					

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

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