



Computing long term plan 2025 - 2026



There are some changes to the Long Term plan but most year groups are keeping the bulk of what they have already been teaching. One new unit each year focusses on Networks and how computers work. These are part of the curriculum that we need to cover and previously did not because of our focus on Basic Skills using common applications. Although all classes still have computing curriculum time devoted to teaching these skills, these lessons will need to be more condensed and skill focussed, with the skills then getting practiced by using them in other subject areas.

Individual lessons plans and resources are available for all units. All units can be delivered using laptops and/or ipads. Some lessons require no pupil access to IT equipment at all with offline tasks for the children to complete.

Work to be saved on to Pupil work in the class folders for all basic skills units. Coding work can be saved on to Purple Mash. Using Scratch, pupils can create a shortcut to their work or screenshots of work can be made and saved on Pupil work.

Please can work on be saved with pupil names to make it easier to identify who has done what in terms of work. Creative units to be saved in the most appropriate place depending on the unit e.g. pupil work or Purple Mash.

Notes MUST be kept with reasons for awarding GDS or WTS if this is not evidenced through their work. These do not have to be expansive. Sheets to help with assessment are available for each unit.

To identify skills that pupils should already know, please refer back to a previous year group which covers the same unit e.g. Year 5 Excel can refer back to Year 4 Excel to understand the skills pupils learnt in Year 4. Many basic skills were still used during COVID remote learning and as such impact and disruption on these units should be minimal.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 3	<p>Focus: Computer Science and Digital Literacy</p> <p>EQ: How does a computer work?</p> <p>AQ: How would you decide whether something is a digital device or not?</p>	<p>Focus: Information Technology</p> <p>EQ: How can a computer help me to present my work?</p> <p>AQ: Can I use features of Word to present text and images?</p>	<p>Focus: Digital Literacy</p> <p>EQ: How do I keep myself safe online?</p> <p>AQ: Can I explain how someone can help to stay safe online?</p>	<p>Focus: Computer Science - LOGO</p> <p>EQ: How do I create instructions for a computer to follow?</p> <p>AQ: Can I create a simple and a repeating algorithm to cause an effect?</p>	<p>Focus: Computer Science</p> <p>EQ: How do I structure an algorithm?</p> <p>AQ: Can I design and code an interactive scene?</p>	<p>Focus: Computer Science</p> <p>EQ: What is a micro: bit?</p> <p>AQ: Can I create code that makes something happen on a physical device?</p>
	<p>Term Focus: Basic Skills Networks LAPTOPS and Offline task</p> <p>Networks To identify input and output devices To explain how a computer network can be used to share information To explore how digital devices can be connected</p> <p>Purple Mash2 Type lessons To introduce typing terminology. To understand the correct way to sit at the keyboard. To learn how to use the home, top and bottom row keys. To practise typing with the left and right hand.</p>	<p>Term focus: Basic Skills – Word and Publisher LAPTOPS</p> <p>Learning Objectives for the term. To explain the purpose of word/publisher? To navigate the cursor and text using keyboard and mouse? To change the size, font and colour of the text? To use bold, underline and italic? To use copy, paste and cut? To insert a text box? To insert an image and word art? To adjust text wrapping? To add a page border?</p> <p>NB: Keyboard skills to be included. AR/TTRS logging in through repetition not specific lessons.</p>	<p>Term focus Online Safety</p> <p>Purple mash and interland on IPADS/LAPTOPS</p> <p>Learning Objectives for the term. To know what makes a safe password. To learn methods for keeping passwords safe. To understand how the Internet can be used in effective communication. To understand how a blog can be used to communicate with a wider audience. To consider the truth of the content of websites. To learn about the meaning of age restrictions symbols on digital media and devices.</p>	<p>Term focus: Coding Purple Mash 2.1 Crash Course</p> <p>Learning Objectives for the term. To understand what an algorithm is. To create a computer program using an algorithm. To create a program using a given design. To understand the collision detection event. To understand that algorithms follow a sequence. To design an algorithm that follows a timed sequence. To understand that different objects have different properties. To understand what different events do in code. To understand the function of buttons in a program.</p>	<p>Term focus: Programming – Purple Mash Coding 3.1</p> <p>Learning Objectives for the term. To understand what a flowchart is and how flowcharts are used in computer programming. To understand that there are different types of timers and select the right type for purpose. To understand how to use the repeat command. To understand the importance of nesting. To design and create an interactive scene.</p>	<p>Term focus: Creative – Animation</p> <p>IPADS</p> <p>Learning Objectives for the term.</p> <p>From TeachComputing To explain that animation is a sequence of drawings or photographs To relate animated movement with a sequence of images To plan an animation To identify the need to work consistently and carefully To review and improve an animation To evaluate the impact of adding other media to an animation</p>

	NB: Keyboard skills to be included. AR/TTRS logging in through repetition not specific lessons.			To understand and debug simple programs.		
Children should also have to opportunity during the year to use files from the Internet for research purposes and use Word or Publisher to produce at least one piece of work in another subject.						
Year 4	Focus: Computer Science and Digital Literacy EQ: What is a network? AQ: Can I describe how a network works?	Focus: Information Technology EQ: How do I use office software to present information? AQ: Can I use spreadsheet features to make calculations?	Focus: Digital Literacy EQ: How do I keep myself safe online. AQ: Can I explain how someone can help to stay safe online?	Focus: Digital Literacy EQ: How do I use IT to create an animation? AQ: Can I explain how "onion skinning" helps with the animation process.	Focus: Computer Science EQ: What are variables and how are they used? AQ: Can I create a playable game?	Focus: Computer Science EQ: How to inputs, outputs and code work together to make a system? AQ: Can I program a micro:bit to use a sensor to control whether something happens?
	Term focus: Basic Skills – PowerPoint/Excel LAPTOPS required Learning Objectives for the term. To create a PowerPoint appropriate for a given audience? To use a mixture of text media (pictures/videos/sounds)? To use transitions/animations appropriate for a given audience? To adjust slide transition times and how they are started? (On mouse click, after a set time) To explain the purpose of excel? To give cell and column references?	Term focus: Basic Skills – Excel and Networks LAPTOPS and offline Tasks Learning Objectives for the term. To use basic formulae to add, subtract, multiply and divide numerical values? To insert a simple graph? Teach Computing Plans To describe how networks physically connect to other network To recognise how networked devices make up the internet To outline how websites can be shared via the World Wide Web	Term focus: E-safety Purple mash and interland on IPADS/LAPTOPS Learning Objectives for the term. To understand how children can protect themselves from online identity theft. To understand that information put online leaves a digital footprint or trail and that this can aid identity theft. To identify the risks and benefits of installing software including apps. To understand concept of 'plagiarism' and consider the consequences of.	Term focus: Creative – Animation. (RS 3.1) IPADS required Learning Objectives for the term. To examine what an animation is? To create a storyboard of ideas? To create a background? To create characters? To animate characters? To use sound in an animation?	Term focus – Coding Purple Mash Logo 4.5 LAPTOPS/IPADS required Learning Objectives for the term. To learn the structure of the coding language of Logo. To input simple instructions in Logo. Using 2Logo to create letter shapes. To use the Repeat function in Logo to create shapes. To use and build procedures in Logo	Term focus: Programming – Purple Mash Coding 4.1 LAPTOPS/IPADS required Learning Objectives for the term. To begin to understand selection in computer programming. To understand how an IF statement works. To understand the 'repeat until' command. To understand how an IF/ELSE statement works.

	<p>To populate cells with a range of different data – text, dates, numerical, currency?</p> <p>To use the autofill to complete patterned cell values? E.g Jan, Feb, Mar</p>	<p>To describe how content can be added and accessed on the World Wide Web</p> <p>recognising content of the WWW is created by people</p> <p>To evaluate the consequences of unreliable content</p>	<p>To understand the importance of balancing game and screen time with other parts of their lives.</p> <p>Communication –Purple Mash 3.5 Email</p> <p>To examine ways in which technology is used for communication?</p> <p>To understand how email works?</p> <p>To send and receive emails?</p> <p>To use email safely and understand 'netiquette'?</p> <p>To send and receive attachments?</p>	<p>To edit and improve my animation?</p>		<p>To understand what a variable is in programming.</p> <p>To use a number variable.</p> <p>To create a playable game.</p>
--	---	---	--	--	--	--

Children should also have to opportunity during the year to be part of adult-led Internet searches for research and use Word/Publisher to produce at least one piece of work in another subject and Powerpoint to create a presentation.

Year 5	<p>Focus: Computer Science</p> <p>EQ: What is the role of computer systems in our lives?</p> <p>AQ: Can I explain how search engines order and sort results?</p>	<p>Focus: Information Technology</p> <p>EQ: How do I use a spreadsheet to manipulate data?</p> <p>AQ: Can I use advanced formula on Excel and create a graph?</p>	<p>Focus: Digital Literacy</p> <p>EQ: How do I keep myself safe online.</p> <p>AQ: Can I explain how someone can help to stay safe online?</p>	<p>Focus: Computer Science</p> <p>EQ: How do I connect and program a Crumble?</p> <p>AQ: Can I use design a project that uses selection?</p>	<p>Focus: Computer Science</p> <p>EQ: What makes a successful video game?</p> <p>AQ: Can I design and code an engaging game?</p>	<p>Focus: Digital Literacy</p> <p>EQ: What is a Vlog?</p> <p>AQ: Can I create and edit a video using appropriate software?</p>
	<p>Term focus: Basic Skills – Publisher / Excel LAPTOPS required</p> <p>Learning Objectives for the term.</p> <p>To explain the purpose of publisher?</p>	<p>Term focus: Basic Skills – Excel and Networks LAPTOPS and Offline tasks</p> <p>Learning Objectives for the term.</p> <p>To use a use advance formulae to search/manipulate</p>	<p>Term focus: E-safety Purple Mash</p> <p>Learning Objectives for the term.</p> <p>To gain a greater understanding of the impact that sharing digital content can have.</p>	<p>Term focus: Programming – Physical Computing LAPTOPS and CRUMBLE required</p> <p>Learning Objectives for the term.</p>	<p>Term focus: Programming – Purple Mash Coding 5.5 Game Creator LAPTOPS/IPADS</p> <p>Learning Objectives for the term.</p> <p>To plan a game.</p>	<p>Term focus: Video IPADS required</p> <p>Learning Objectives for the term.</p> <p>Do I understand what video is?</p>

	<p>To insert and manipulate text, images, word art, borders and spacing.</p> <p>To group/ungroup objects</p> <p>To flip, rotate objects</p> <p>To insert a range of different graphs</p> <p>To sort a range of data using different criteria</p>	<p>data (lf, Min, Max, count, average, etc)</p> <p>TeachComputing plans</p> <p>To explain that computers can be connected together to form systems</p> <p>To recognise the role of computer systems in our lives</p> <p>To identify how to use a search engine</p> <p>To describe how search engines select results</p> <p>To explain how search results are ranked</p> <p>To recognise why the order of results is important, and to whom</p>	<p>To review sources of support when using technology and children's responsibility to one another in their online behaviour.</p> <p>To know how to maintain secure passwords.</p> <p>To be aware of appropriate and inappropriate text, photographs and videos and the impact of sharing these online.</p> <p>To learn about how to reference sources in their work.</p> <p>To search the Internet with a consideration for the reliability of the results of sources to check validity and understand the impact of incorrect information.</p>	<p>To control a simple circuit connected to a computer</p> <p>To write a program that includes count-controlled loops</p> <p>To explain that a loop can stop when a condition is met</p> <p>To explain that a loop can be used to repeatedly check whether a condition has been met</p> <p>To design a physical project that includes selection</p> <p>To create a program that controls a physical computing project</p>	<p>To design and create the game environment.</p> <p>To design and create the game quest.</p> <p>To finish and share the game.</p> <p>To self and peer evaluate.</p>	<p>Do I understand the importance of audio in a video?</p> <p>To plan a video and audio?</p> <p>To record a video?</p> <p>To edit and improve a video using appropriate software?</p>
--	--	---	--	---	--	---

Children should also be able to conduct supervised Internet searches for research, use Word/Publisher and Powerpoint to produce finished pieces of work in another subject and use Excel for a practical purpose in maths.

Year 6	<p>Focus: Computer Science</p> <p>EQ: How do computers help us to work together?</p> <p>AQ: What are the positive and negatives of AI?</p>	<p>Focus: Information Technology</p> <p>EQ: How do I use software to create a presentation?</p> <p>AQ: Can I create an interactive presentation?</p>	<p>Focus: Digital Literacy</p> <p>EQ: How do I keep myself safe online.</p> <p>AQ: Can I explain how someone can help to stay safe online?</p>	<p>Focus: Computer Science</p> <p>EQ: What are selection and functions in coding?</p> <p>AQ: Can I debug code to make it work as intended?</p>	<p>Focus: Computer Science</p> <p>EQ: How do I connect and code an external device?</p> <p>AQ: Can I apply my coding skills to create a moving playground in DT?</p>	<p>Focus: Computer science</p> <p>EQ: How do I create a text adventure?</p> <p>AQ: Can I use all my skills to design, create and debug a text adventure game?</p>
	<p>Term focus: Basic Skills – PowerPoint LAPTOPS required</p> <p>Learning Objectives for the term.</p>	<p>Term focus: Programming – Scratch LAPTOPS required</p> <p>Learning Objectives for the term.</p>	<p>Term focus: Programming – Physical Computing LAPTOPS and MICRO:BITS</p>	<p>Term focus: E-safety IPADS required</p> <p>Learning Objectives for the term.</p>	<p>Term focus: Networks</p> <p>To explain the importance of internet addresses</p>	<p>Term focus: Music Link– Garage Band IPADS required</p> <p>Learning Objectives for the term.</p>

