



Y1 and Y2 Computing Progression Map 2024 - 2025

Aspect	Year 1	Year 2
Computing Systems and Networks	Unit 1: Technology around Us <ul style="list-style-type: none">I can identify technologyI can identify a computer and its main partsI can use a mouse in different waysI can use a keyboard to type on a computerI can use the keyboard to edit textI can create rules for using technology responsibly	Unit 1: IT around us <ul style="list-style-type: none">I can recognise the uses and features of information technologyI can identify information technology in the homeI can identify information technology beyond schoolI can explain how information technology benefits usI can show how to use information technology safelyI can recognise that choices are made when using information technology
Creating Media	Unit 2: Digital painting / Unit 5: Digital writing <ul style="list-style-type: none">I can describe what different freehand tools doI can use the shape tool and the line toolsI can make careful choices when painting a digital pictureI can explain why I chose the tools I usedI can use a computer on my own to paint a pictureI can compare painting a picture on a computer and on paper I can use a computer to writeI can add and remove text on a computerI can identify that the look of text can be changed on a computerI can make careful choices when changing textI can explain why I used the tools that I choseI can compare writing on a computer with writing on paper	Unit 2: Photography / Unit 5: Music <ul style="list-style-type: none">I can use a digital device to take a photographI can make choices when taking a photographI can describe what makes a good photographI can decide how photographs can be improvedI can use tools to change an imageI can recognise that photos can be changed I can say how music can make us feelI can identify that there are patterns in musicI can describe how music can be used in different waysI can show how music is made from a series of notesI can create music for a purposeI can review and refine our computer work

<p>Data and Information</p>	<p>Unit 4: Grouping Data</p> <ul style="list-style-type: none"> • I can label objects • I can identify that objects can be counted • I can describe objects in different ways • I can count objects with the same properties • I can compare groups of objects • I can answer questions about groups of objects 	<p>Unit 4: Pictograms</p> <ul style="list-style-type: none"> • I can recognise that we can count and compare objects using tally charts • I can recognise that objects can be represented as pictures • I can create a pictogram • I can select objects by attribute and make comparisons • I can recognise that people can be described by attributes • I can explain that we can present information using a computer
<p>Programming</p>	<p>Unit 3: Moving a Robot (Beebots) / Unit 6: Animation (Scratch Jr)</p> <ul style="list-style-type: none"> • I can explain what a given command will do • I can act out a given word • I can combine forwards and backwards commands to make a sequence • I can combine four direction commands to make sequences • I can plan a simple program • I can find more than one solution to a problem • I can choose a command for a given purpose • I can show that a series of commands can be joined together • I can identify the effect of changing a value • I can explain that each sprite has its own instructions • I can design the parts of a project • I can use my algorithm to create a program 	<p>Unit 3: Algorithms (Beebots) / Unit 6 Quizzes (Scratch Junior)</p> <ul style="list-style-type: none"> • I can describe a series of instructions as a sequence • I can explain what happens when we change the order of instructions • I can use logical reasoning to predict the outcome of a program • I can explain that programming projects can have code and artwork • I can design an algorithm of my own • I can create and debug a program that I have written • I can explain that a sequence of commands has a start • I can explain that a sequence of commands has an outcome • I can create a program using a given design • I can decide how my project can be improved



EYFS Computing Progression Map 2024 - 2025

Aspect	Skills	Vocabulary	
Technology in our Lives	<ul style="list-style-type: none"> • I can access a range of technologies, both digital and non-digital. • I can explore with different technologies to develop my skills. • I know how to operate simple equipment eg turn on CD player, use a remote control, move remote control toys. • I show an interest in technological toys with knobs or pulleys, real objects (such as cameras), and touchscreen devices such as tablets. • I can show skill in making toys work by pressing parts or lifting flaps to achieve effects (such as sounds, movements or new images) • I can play with a range of materials to learn cause and effect, eg. making a string puppet. • I can name technology that is used at home and a school 	Home School Technology Device Ipad Tablet Phone Desktop Computer Camera Interactive Whiteboard	TV/Television Online Internet Knob/Pulley Twist/turn/swipe/rotate Touch/Press/Click Button Hold Drag
Online Safety	<ul style="list-style-type: none"> • I can talk about what we mean by 'going online' e.g. using the internet/Roblox/Google, Cbeebies etc. • I can name devices which can be used online e.g. tablet, games, phones, computers, consoles etc. • I know that there are rules which need to be followed when we use technology and go online (SMART rules) • I can tell someone how to stay safe online. • I know that I need to ask an adult if I go online/play an online game/visit a website/use an App. • I can name adults I trust. • I know that I need to talk to a trusted adult if something online upsets, worries or scares me. • I know that I should not click on buttons if something pops up, and I need to tell an adult. • I understand that the amount of time I spend using a computer/tablet/game/device should be for a short amount of time. 	Devices Online Internet Computers Tablet iPad. Games consoles Rules SMART rules Safe Technology	Online game Website App. Adults Trust Pops up. Amount of time

<p>Programming</p>	<ul style="list-style-type: none"> • I know some simple instructional language. • I can follow simple instructions from an adult/friend to move around • e.g. take two steps forwards. • I can give instructions to someone to move around e.g. take two steps backwards. • I can use simple software to make something happen. • I can understand cause and effect e.g. if I press a button 'something' happens. • I can make choices about which buttons/icons need to be pressed, touched, clicked on to make something happen. • I can use the basic functions of the IWB e.g. pen, rubber, changing colour/thickness etc. • I can make a floor robot move by pressing the buttons. • I am beginning to begin to know the functions of the buttons on the floor robots. 	<p>Swipe Turn Touch Press. Button Click/Hold/Drag. Pen Rubber Change colour/thickness.</p>	<p>Floor robot Instructions. Functions Forwards. Backwards Follow</p>
<p>Multimedia and Data Handling</p>	<ul style="list-style-type: none"> • I can talk about how information can be shown in different ways e.g. pictures, videos, text, sound. • I can find information by using an electronic device e.g. computer, tablet, website, App, search engine with support. • I can click on buttons using an IWB pen/mouse/finger. • I can swipe on a tablet. • I can move objects around on screen with an IWB pen/mouse/finger. • I can move the mouse to where you need the pointer/arrow/cursor to be on screen. • I can click and drag using a mouse. • I can double click using a mouse. • I am able to create text on screen by pressing letter keys on a keyboard/pressing buttons on a touch screen, with support. • I am able to choose a piece of technology to complete a particular task. 	<p>Hold Icon Drag Text Object Information Picture Video Sound. Electronic device Find. Press Website Click Buttons</p>	<p>Mouse Finger Swipe IWB pen Screen. Keyboard Touch screen App Double click Text Pointer Arrow Cursor Letter keys Search Engine</p>