



Computer Science Steps

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>From NCCE Learning Graphs</b>					
<b>To explain what a given command will do</b> <ul style="list-style-type: none"> <li>I can predict the outcome of a command on a device</li> <li>I can match a command to an outcome</li> <li>I can run a command on a device</li> </ul>	<b>To describe a series of instructions as a sequence</b> <ul style="list-style-type: none"> <li>I can follow instructions given by someone else</li> <li>I can choose a series of words that can be enacted as a sequence</li> <li>I can give clear and unambiguous instructions</li> </ul>	<b>To explore a new programming environment</b> <ul style="list-style-type: none"> <li>I can identify the objects in a Scratch project (sprites, backdrops)</li> <li>I can explain that objects in Scratch have attributes (linked to)</li> <li>I can recognise that commands in Scratch are represented as blocks</li> </ul>	<b>To identify that accuracy in programming is important</b> <ul style="list-style-type: none"> <li>I can program a computer by typing commands</li> <li>I can explain the effect of changing a value of a command</li> <li>I can create a code snippet for a given purpose</li> </ul>	<b>To control a simple circuit connected to a computer</b> <ul style="list-style-type: none"> <li>I can build a simple circuit to connect a microcontroller to a computer</li> <li>I can program a microcontroller to light an LED</li> <li>I can explain why I used an infinite loop</li> </ul>	<b>To define a 'variable' as something that is changeable</b> <ul style="list-style-type: none"> <li>I can identify examples of information that is variable</li> <li>I can explain that the way that a variable changes can be defined</li> <li>I can identify that variables can hold numbers or letters</li> </ul>
<b>To act out a given word</b> <ul style="list-style-type: none"> <li>I can recall words that can be acted out</li> <li>I can give directions</li> </ul>	<b>To explain what happens when we change the order of instructions</b> <ul style="list-style-type: none"> <li>I can create different algorithms for a range of sequences (using the same commands)</li> <li>I can use an algorithm to program a sequence on a floor robot</li> <li>I can show the difference in outcomes between two sequences that consist of the same commands</li> </ul>	<b>I can identify that each sprite is controlled by the commands I choose</b> <ul style="list-style-type: none"> <li>I can choose a word which describes an on-screen action for my design</li> <li>I can create a program following a design</li> </ul>	<b>To create a program in a text-based language</b> <ul style="list-style-type: none"> <li>I can use a template to create a design for my program</li> <li>I can write an algorithm to produce a given outcome</li> <li>I can test my algorithm in a text-based language</li> </ul>	<b>To write a program that includes count-controlled loops</b> <ul style="list-style-type: none"> <li>I can connect more than one output device to a microcontroller</li> <li>I can design sequences for given output devices</li> <li>I can decide which output devices I control with a count controlled loop</li> </ul>	<b>To explain why a variable is used in a program</b> <ul style="list-style-type: none"> <li>I can identify a program variable as a placeholder in memory for a single value</li> <li>I can explain that a variable has a name and a value</li> <li>I can recognise that the value of a variable can be changed</li> </ul>
<b>To combine forwards and backwards commands to make a sequence</b> <ul style="list-style-type: none"> <li>I can compare forwards and backwards movements</li> <li>I can start a sequence from the same place</li> <li>I can predict the outcome of a sequence involving forwards and backwards commands</li> </ul>	<b>To use logical reasoning to predict the outcome of a program (series of commands)</b> <ul style="list-style-type: none"> <li>I can follow a sequence</li> <li>I can predict the outcome of a sequence</li> <li>I can compare my prediction to the program outcome</li> </ul>	<b>To explain that a program has a start</b> <ul style="list-style-type: none"> <li>I can start a program in different ways</li> <li>I can create a sequence of connected commands</li> <li>I can explain that the objects in my project will respond exactly to the code</li> </ul>	<b>To explain what 'repeat' means</b> <ul style="list-style-type: none"> <li>I can identify everyday tasks that include repetition as part of a sequence, eg brushing teeth, dance moves</li> <li>I can identify patterns in a sequence, eg 'step 3 times' means the same as 'step, step, step'</li> <li>I can use a count-controlled loop to produce a given outcome</li> </ul>	<b>To explain that a loop can stop when a condition is met, e.g. number of times</b> <ul style="list-style-type: none"> <li>I can explain that a condition is something that can either be true or false (e.g. whether a value is more than 10, or whether a button has been pressed)</li> <li>I can experiment with a do until loop</li> <li>I can program a microcontroller to respond to an input</li> </ul>	<b>To choose how to improve a game by using variables</b> <ul style="list-style-type: none"> <li>I can decide where in a program to change a variable</li> <li>I can make use of an event in a program to set a variable</li> <li>I can recognise that the value of a variable can be used by a program</li> </ul>
<b>To combine four direction commands to make sequences</b> <ul style="list-style-type: none"> <li>I can compare left and right turns</li> <li>I can experiment with turn and move commands to move a robot</li> <li>I can predict the outcome of a sequence involving up to four commands</li> </ul>	<b>To explain that programming projects can have code and artwork</b> <ul style="list-style-type: none"> <li>I can explain the choices I made for my mat design</li> <li>I can identify different routes around my mat</li> <li>I can test my mat to make sure that it is usable</li> </ul>	<b>To recognise that a sequence of commands can have an order</b> <ul style="list-style-type: none"> <li>I can explain what a sequence is</li> <li>I can combine sound commands</li> <li>I can order notes into a sequence</li> </ul>	<b>To modify a count-controlled loop to produce a given outcome</b> <ul style="list-style-type: none"> <li>I can identify the effect of changing the number of times a task is repeated</li> <li>I can predict the outcome of a program containing a count-controlled loop</li> <li>I can choose which values to change in a loop</li> </ul>	<b>To conclude that a loop can be used to repeatedly check whether a condition has been met</b> <ul style="list-style-type: none"> <li>I can explain a condition being met can start an action</li> <li>I can identify a condition and an action in my project</li> <li>I can use selection (an if... then... statement) to direct the flow of a program</li> </ul>	<b>To design a project that builds on a given example</b> <ul style="list-style-type: none"> <li>I can choose the artwork for my project</li> <li>I can explain my design choices</li> <li>I can create algorithms for my project</li> </ul>
<b>To plan a simple program</b> <ul style="list-style-type: none"> <li>I can explain what my program should do</li> <li>I can choose the order of commands in a sequence</li> <li>I can debug my program</li> </ul>	<b>To design an algorithm</b> <ul style="list-style-type: none"> <li>I can explain what my algorithm should achieve</li> <li>I can create an algorithm to meet my goal</li> <li>I can use my algorithm to create a program</li> </ul>	<b>To change the appearance of my project</b> <ul style="list-style-type: none"> <li>I can build a sequence of commands</li> <li>I can decide the actions for each sprite in a program</li> <li>I can make design choices for my artwork</li> </ul>	<b>To decompose a program into parts</b> <ul style="list-style-type: none"> <li>I can identify 'chunks' of actions in the real world</li> <li>I can use a procedure in a program</li> <li>I can explain that a computer can repeatedly call a procedure</li> </ul>	<b>To design a physical project which includes selection</b> <ul style="list-style-type: none"> <li>I can identify a condition to start an action (real world)</li> <li>I can describe what my project will do (the task)</li> <li>I can create a detailed drawing of my project</li> </ul>	<b>To use my design to create a project</b> <ul style="list-style-type: none"> <li>I can create the artwork for my project</li> <li>I can choose a name that identifies the role of a variable</li> <li>I can test the code that I have written</li> </ul>
<b>To find more than one solution to a problem</b> <ul style="list-style-type: none"> <li>I can identify several possible solutions</li> <li>I can plan two programs</li> <li>I can use two different programs to get to the same place</li> </ul>	<b>To create and debug a program that I have written</b> <ul style="list-style-type: none"> <li>I can plan algorithms for different parts of a task</li> <li>I can test and debug each part of the program</li> <li>I can put together the different parts of my program</li> </ul>	<b>To create a project from a task description</b> <ul style="list-style-type: none"> <li>I can identify and name the objects I will need for a project</li> <li>I can relate a task description to a design</li> <li>I can implement my algorithm as code</li> </ul>	<b>To create a program that uses count-controlled loops to produce a given outcome</b> <ul style="list-style-type: none"> <li>I can design a program that includes count-controlled loops</li> <li>I can make use of my design to write a program</li> <li>I can develop my program by debugging it</li> </ul>	<b>To create a controllable system which includes selection</b> <ul style="list-style-type: none"> <li>I can write an algorithm to control lights and a motor</li> <li>I can use selection to produce an intended outcome</li> <li>I can test and debug my project</li> </ul>	<b>To evaluate my project</b> <ul style="list-style-type: none"> <li>I can identify ways that my game could be improved</li> <li>I can extend my game further using more variables</li> <li>I can share my game with others</li> </ul>
<b>To choose a command for a given purpose</b> <ul style="list-style-type: none"> <li>I can find which commands move a sprite</li> <li>I can use commands to move a sprite</li> <li>I can compare different programming tools</li> <li>I can show how to run my program</li> </ul>	<b>To explain that a sequence of commands has a start</b> <ul style="list-style-type: none"> <li>I can identify the start of a sequence</li> <li>I can identify that a program needs to be started</li> <li>I can show how to run my program</li> </ul>	<b>To explain how a sprite moves in an existing project</b> <ul style="list-style-type: none"> <li>I can explain the relationship between an event and an action</li> <li>I can choose which keys to use for actions and explain my choices</li> <li>I can identify a way to improve a program</li> </ul>	<b>To develop the use of count-controlled loops in a different programming environment</b> <ul style="list-style-type: none"> <li>I can recall an everyday task as a set of instructions including repetition</li> <li>I can predict the outcome of a snippet of code</li> <li>I can modify a snippet of code to create a given outcome</li> </ul>	<b>To explain how selection is used in computer programs</b> <ul style="list-style-type: none"> <li>I can recall how conditions are used in selection</li> <li>I can identify conditions in a program</li> <li>I can modify a condition in a program</li> </ul>	<b>To create a program to run on a controllable device</b> <ul style="list-style-type: none"> <li>I can apply my knowledge of programming to a new environment</li> <li>I can test my program on an emulator</li> <li>I can transfer my program to a controllable device</li> </ul>
<b>To show that a series of commands can be joined together</b> <ul style="list-style-type: none"> <li>I can use more than one block by joining them together</li> <li>I can use a start block in a program</li> <li>I can run my program</li> </ul>	<b>To explain that a sequence of commands has an outcome</b> <ul style="list-style-type: none"> <li>I can predict the outcome of a sequence of commands</li> <li>I can match two sequences with the same outcome</li> <li>I can change the outcome of a sequence of commands</li> </ul>	<b>To create a program to move a sprite in four directions</b> <ul style="list-style-type: none"> <li>I can choose a character for my project</li> <li>I can choose a suitable size for a character in a maze</li> <li>I can program movement</li> </ul>	<b>To explain that in programming there are infinite loops and count controlled loops</b> <ul style="list-style-type: none"> <li>I can modify loops to produce a given outcome</li> <li>I can choose when to use a count-controlled and an infinite loop</li> <li>I can recognise that some programming languages enable more than one process to be run at once</li> </ul>	<b>To relate that a conditional statement connects a condition to an outcome</b> <ul style="list-style-type: none"> <li>I can use selection in an infinite loop to check a condition</li> <li>I can identify the condition and outcomes in an if... then... else statement</li> <li>I can create a program with different outcomes using selection</li> </ul>	<b>To explain that selection can control the flow of a program</b> <ul style="list-style-type: none"> <li>I can identify examples of conditions in the real world</li> <li>I can use a variable in an if... then... else... statement to select the flow of a program</li> <li>I can determine the flow of a program using selection</li> </ul>
<b>To identify the effect of changing a value</b> <ul style="list-style-type: none"> <li>I can find blocks which have numbers</li> <li>I can change the value</li> <li>I can say what happens when I change a value</li> </ul>	<b>To create a program using a given design</b> <ul style="list-style-type: none"> <li>I can tell the actions of a sprite in an algorithm</li> <li>I can decide which blocks to use to meet the design</li> <li>I can build the sequences of blocks I need</li> </ul>	<b>To adapt a program to a new context</b> <ul style="list-style-type: none"> <li>I can use a programming extension</li> <li>I can consider the real-world when making design choices</li> <li>I can choose blocks to set up my program</li> </ul>	<b>To develop a design which includes two or more loops which run at the same time</b> <ul style="list-style-type: none"> <li>I can choose which action will be repeated for each object</li> <li>I can explain what the outcome of the repeated action should be</li> <li>I can evaluate the effectiveness of the repeated sequences used in my program</li> </ul>	<b>To explain how selection directs the flow of a program</b> <ul style="list-style-type: none"> <li>I can explain that program flow can branch according to a condition</li> <li>I can design the flow of a program which contains if... then... else...</li> <li>I can show that a condition can direct program flow in one of two ways</li> </ul>	<b>To update a variable with a user input</b> <ul style="list-style-type: none"> <li>I can use a condition to change a variable</li> <li>I can experiment with different physical inputs</li> <li>I can explain that if you read a variable, the value remains</li> </ul>
<b>To explain that each sprite has its own instructions</b> <ul style="list-style-type: none"> <li>I can show that a project can include more than one sprite</li> <li>I can delete a sprite</li> <li>I can add blocks to each of my sprites</li> </ul>	<b>To change a given design</b> <ul style="list-style-type: none"> <li>I can choose backgrounds for the design</li> <li>I can choose characters for the design</li> <li>I can create a program based on the new design</li> </ul>	<b>To develop my program by adding features</b> <ul style="list-style-type: none"> <li>I can identify additional features (from a given set of blocks)</li> <li>I can choose suitable keys to turn on additional features</li> <li>I can build more sequences of commands to make my design work</li> </ul>	<b>To modify an infinite loop in a given program</b> <ul style="list-style-type: none"> <li>I can identify which parts of a loop can be changed</li> <li>I can explain the effect of my changes</li> <li>I can re-use existing code snippets on new sprites</li> </ul>	<b>To design a program which uses selection</b> <ul style="list-style-type: none"> <li>I can outline a given task</li> <li>I can use a design format to outline my project</li> <li>I can identify the outcome of user input in an algorithm</li> </ul>	<b>To use an conditional statement to compare a variable to a value</b> <ul style="list-style-type: none"> <li>I can explain the importance of the order of conditions in else if statements</li> <li>I can use an operand (e.g. &lt;=&gt;) in an if... then... statement</li> <li>I can modify a program to achieve a different outcome</li> </ul>
<b>To design the parts of a project</b> <ul style="list-style-type: none"> <li>I can choose appropriate artwork for my project</li> <li>I can decide how each sprite will move</li> <li>I can create an algorithm for each sprite</li> </ul>	<b>To create a program using my own design</b> <ul style="list-style-type: none"> <li>I can choose the images for my own design</li> <li>I can create an algorithm</li> <li>I can build sequences of blocks to match my design</li> </ul>	<b>To identify and fix bugs in a program</b> <ul style="list-style-type: none"> <li>I can test a program against a given design</li> <li>I can match a piece of code to an outcome</li> <li>I can modify a program using a design</li> </ul>	<b>To design a project that includes repetition</b> <ul style="list-style-type: none"> <li>I can evaluate the use of repetition in a project</li> <li>I can select key parts of a given project to use in my own design</li> <li>I can develop my own design explaining what my project will do</li> </ul>	<b>To create a program which uses selection</b> <ul style="list-style-type: none"> <li>I can implement my algorithm to create the first section of my program</li> <li>I can test my program</li> <li>I can share my program with others</li> </ul>	<b>To design a project that uses inputs and outputs on a controllable device</b> <ul style="list-style-type: none"> <li>I can decide what variables to include in a project</li> <li>I can design the algorithm for my project</li> <li>I can design the program flow for my project</li> </ul>
<b>To use my algorithm to create a program</b> <ul style="list-style-type: none"> <li>I can use sprites which match my design</li> <li>I can add programming blocks based on my algorithm</li> <li>I can test the programs I have created</li> </ul>	<b>To decide how my project can be improved</b> <ul style="list-style-type: none"> <li>I can compare my project to my design</li> <li>I can improve my project by adding features</li> <li>I can debug</li> </ul>	<b>To design and create a maze based challenge</b> <ul style="list-style-type: none"> <li>I can make design choices and justify them</li> <li>I can implement my design</li> <li>I can evaluate my project</li> </ul>	<b>To create a project that includes repetition</b> <ul style="list-style-type: none"> <li>I can refine the algorithm in my design</li> <li>I can build a program that follows my design</li> <li>I can evaluate the steps I followed when building my project</li> </ul>	<b>To evaluate my program</b> <ul style="list-style-type: none"> <li>I can identify ways the program could be improved</li> <li>I can identify what setup code my project needs</li> <li>I can extend my program further</li> </ul>	<b>To develop a program to use inputs and outputs on a controllable device</b> <ul style="list-style-type: none"> <li>I can create a program based on my design</li> <li>I can test my program against my design</li> <li>I can use a range of approaches to find and fix bugs</li> </ul>

Key Stage	Year 1	Year 2	Key Stage	Year 3	Year 4	Year 5	Year 6
	<b>From NCCE Learning Graphs</b>						
	<b>To describe what different freehand tools do</b> <ul style="list-style-type: none"> <li>I can make marks on a screen and explain which tools I used</li> <li>I can draw lines on a screen and explain which tools I used</li> <li>I can use the paint tools to draw a picture</li> </ul>	<b>To say how music can make us feel</b> <ul style="list-style-type: none"> <li>I can identify simple differences in pieces of music</li> <li>I can listen with concentration to a range of music (links to the Music curriculum)</li> <li>I can describe how music makes me feel, e.g. happy or sad</li> </ul>		<b>To recognise how text and images convey information</b> <ul style="list-style-type: none"> <li>I can identify the difference between text and images</li> <li>I can recognise that text and images can communicate messages clearly</li> <li>I can identify the advantages and disadvantages of using text and images</li> </ul>	<b>To describe how networks physically connect to other networks</b> <ul style="list-style-type: none"> <li>I can describe the internet as a network of networks</li> <li>I can demonstrate how information is shared across the internet</li> <li>I can discuss why a network needs protecting</li> </ul>	<b>To identify that drawing tools can be used to produce different outcomes</b> <ul style="list-style-type: none"> <li>I can recognise that vector drawings are made using shapes</li> <li>I can identify the main drawing tools</li> <li>I can discuss how a vector drawing is different from paper-based drawings</li> </ul>	To identify questions which can be answered using data <ul style="list-style-type: none"> <li>I can explain the relevance of data headings</li> <li>I can answer questions from an existing data set</li> <li>I can ask simple relevant questions which can be answered using data</li> </ul>
	<b>To use the shape tool and the line tools</b> <ul style="list-style-type: none"> <li>I can make marks with the square and line tools</li> <li>I can use the shape and line tools effectively</li> <li>I can use the shape and line tools to recreate the work of an artist</li> </ul>	<b>To identify that there are patterns in music</b> <ul style="list-style-type: none"> <li>I can describe a rhythm pattern</li> <li>I can play an instrument following a rhythm pattern</li> <li>I can explain that music is created and played by humans</li> </ul>		<b>To recognise that text and layout can be edited</b> <ul style="list-style-type: none"> <li>I can change font style, size, and colours for a given purpose</li> <li>I can edit text</li> <li>I can explain that text can be changed to communicate more clearly</li> </ul>	<b>To recognise how networked devices make up the internet</b> <ul style="list-style-type: none"> <li>I can describe the different networked devices and how they connect</li> <li>I can explain how the internet allows us to view the World Wide Web</li> <li>I can recognise that the World Wide Web is the part of the internet that contains websites and web pages</li> </ul>	<b>To create a vector drawing by combining shapes</b> <ul style="list-style-type: none"> <li>I can identify the shapes used to make a vector drawing</li> <li>I can explain that each element added to a vector drawing is an object</li> <li>I can move, resize, and rotate objects I have duplicated</li> </ul>	<b>To explain that objects can be described using data</b> <ul style="list-style-type: none"> <li>I can explain what an item of data is</li> <li>I can apply an appropriate number format to a cell</li> <li>I can build a data set in a spreadsheet application</li> </ul>
	<b>To make careful choices when painting a digital picture</b> <ul style="list-style-type: none"> <li>I can choose appropriate shapes</li> <li>I can make appropriate colour choices</li> <li>I can create a picture in the style of an artist</li> </ul>	<b>To describe how music can be used in different ways</b> <ul style="list-style-type: none"> <li>I can connect images with sounds</li> <li>I can use a computer to experiment with pitch and duration</li> <li>I can relate an idea to a piece of music</li> </ul>		<b>To choose appropriate page settings</b> <ul style="list-style-type: none"> <li>I can define the term 'page orientation'</li> <li>I can recognise placeholders and say why they are important</li> <li>I can create a template for a particular purpose</li> </ul>	<b>To outline how websites can be shared via the World Wide Web</b> <ul style="list-style-type: none"> <li>I can explain the types of media that can be shared on the World Wide Web (WWW)</li> <li>I can describe where websites are stored when uploaded to the WWW</li> <li>I can describe how to access websites on the WWW</li> </ul>	<b>To use tools to achieve a desired effect</b> <ul style="list-style-type: none"> <li>I can use the zoom tool to help me add detail to my drawings</li> <li>I can explain how alignment grids and resize handles can be used to improve consistency</li> <li>I can modify objects to create different effects</li> </ul>	<b>To explain that formula can be used to produce calculated data</b> <ul style="list-style-type: none"> <li>I can explain the relevance of a cell's data type</li> <li>I can construct a formula in a spreadsheet</li> <li>I can identify that changing inputs changes outputs</li> </ul>
	<b>To explain why I chose the tools I used</b> <ul style="list-style-type: none"> <li>I know that different paint tools do different jobs</li> <li>I can choose appropriate paint tools and colours to recreate the work of an artist</li> <li>I can say which tools were helpful and why</li> </ul>	<b>To show how music is made from a series of notes</b> <ul style="list-style-type: none"> <li>I can identify that music is a sequence of notes</li> <li>I can use a computer to create a musical pattern using three notes</li> <li>I can refine my musical pattern on a computer</li> </ul>		<b>To add content to a desktop publishing publication</b> <ul style="list-style-type: none"> <li>I can choose the best locations for my content</li> <li>I can paste text and images to create a magazine cover</li> <li>I can make changes to content after I've added it</li> </ul>	<b>To describe how content can be added and accessed on the World Wide Web</b> <ul style="list-style-type: none"> <li>I can create media which can be found on websites</li> <li>I can recognise that I can add content to the WWW</li> <li>I can explain that new content can be created online</li> </ul>	<b>To recognise that vector drawings consist of layers</b> <ul style="list-style-type: none"> <li>I can identify that each object creates a new layer in the drawing</li> <li>I can create a formula which includes a range of cells in the back layer of a drawing</li> <li>I can change the order of layers in a vector drawing</li> </ul>	<b>To apply formulas to data, including duplicating</b> <ul style="list-style-type: none"> <li>I can recognise that data can be calculated using different operations</li> <li>I can create a formula which includes a range of cells</li> <li>I can apply a formula to multiple cells by duplicating it</li> </ul>
	<b>To use a computer on my own to paint a picture</b> <ul style="list-style-type: none"> <li>I can make dots of colour on the page</li> <li>I can change the colour and brush sizes</li> <li>I can use dots of colour to create a picture in the style of an artist on my own</li> </ul>	<b>To create music for a purpose</b> <ul style="list-style-type: none"> <li>I can describe an animal using sounds</li> <li>I can explain my choices</li> <li>I can save my work</li> </ul>		<b>To consider how different layouts can suit different purposes</b> <ul style="list-style-type: none"> <li>I can identify different layouts</li> <li>I can match a layout to a purpose</li> <li>I can choose a suitable layout for a given purpose</li> </ul>	<b>To recognise how the content of the WWW is created by people</b> <ul style="list-style-type: none"> <li>I can explain that websites and their content are created by people</li> <li>I can suggest who owns the content on websites</li> <li>I can explain that there are rules to protect content</li> </ul>	<b>To group objects to make them easier to work with</b> <ul style="list-style-type: none"> <li>I can copy part of a drawing by duplicating several objects</li> <li>I can group to create a single object</li> <li>I can reuse a group of objects to further develop my vector drawing</li> </ul>	<b>To create a spreadsheet to plan an event</b> <ul style="list-style-type: none"> <li>I can use a spreadsheet to answer questions</li> <li>I can explain why data should be organised</li> <li>I can apply a formula to calculate the data I need to answer questions</li> </ul>
	<b>To compare painting a picture on a computer and on paper</b> <ul style="list-style-type: none"> <li>I can explain that pictures can be made in lots of different ways</li> <li>I can spot the differences between painting on a computer and on paper</li> <li>I can say whether I prefer painting using a computer or using paper</li> </ul>	<b>To review and refine our computer work</b> <ul style="list-style-type: none"> <li>I can reopen my work</li> <li>I can explain how I made my work better</li> <li>I can listen to music and describe how it makes me feel</li> </ul>		<b>To consider the benefits of desktop publishing</b> <ul style="list-style-type: none"> <li>I can identify the uses of desktop publishing in the real world</li> <li>I can say why desktop publishing might be helpful</li> <li>I can compare work made on desktop publishing to work created by hand</li> </ul>	<b>To evaluate the consequences of unreliable content</b> <ul style="list-style-type: none"> <li>I can explain that not everything on the World Wide Web is true.</li> <li>I can explain why some information I find online may not be honest, accurate, or legal.</li> <li>I can explain why I need to think carefully before I share or reshare content</li> </ul>	<b>To evaluate my vector drawing</b> <ul style="list-style-type: none"> <li>I create alternatives to vector drawings</li> <li>I can suggest improvements to a vector drawing</li> <li>I can apply what I have learned about vector drawings</li> </ul>	<b>To choose suitable ways to present data</b> <ul style="list-style-type: none"> <li>I can produce a graph</li> <li>I can use a graph to show the answer to questions</li> <li>I can suggest when to use a table or graph</li> </ul>
	<b>To use a computer to write</b> <ul style="list-style-type: none"> <li>I can open a word processor</li> <li>I can recognise keys on a keyboard</li> <li>I can identify and find keys on a keyboard</li> </ul>	<b>To know what devices can be used to take photographs</b> <ul style="list-style-type: none"> <li>I can sort devices into old and new</li> <li>I can talk about how to take a photograph</li> <li>I can capture digital photos and talk about my experience</li> </ul>		<b>To explain that animation is a sequence of drawings or photographs</b> <ul style="list-style-type: none"> <li>I can draw a sequence of pictures</li> <li>I can create an effective flip book—style animation</li> <li>I can explain how an animation/flip book works</li> </ul>	<b>To explain that data gathered over time can be used to answer questions</b> <ul style="list-style-type: none"> <li>I can choose a data set to answer a given question</li> <li>I can suggest questions that can be answered using a given data set</li> <li>I can identify data that can be gathered over time</li> </ul>	<b>To use a form to record information</b> <ul style="list-style-type: none"> <li>I can create multiple questions about the same field</li> <li>I can explain how information can be recorded</li> <li>I can order, sort, and group my data cards</li> </ul>	<b>To review an existing website and consider its structure</b> <ul style="list-style-type: none"> <li>I can explore a website</li> <li>I can discuss the different types of media used on websites</li> <li>I know that websites are written in HTML</li> </ul>
	<b>To add and remove text on a computer</b> <ul style="list-style-type: none"> <li>I can enter text into a computer</li> <li>I can use letter, number, and space keys</li> <li>I can use backspace to remove text</li> </ul>	<b>To use a digital device to take a photograph</b> <ul style="list-style-type: none"> <li>I can explain the process of taking a good photograph</li> <li>I can take photos in both landscape and portrait format</li> <li>I can explain why a photo looks better in portrait or landscape format</li> </ul>		<b>To relate animated movement with a sequence of images</b> <ul style="list-style-type: none"> <li>I can predict what an animation will look like</li> <li>I can explain why little changes are needed for each frame</li> <li>I can create an effective stop frame animation</li> </ul>	<b>To use a digital device to collect data automatically</b> <ul style="list-style-type: none"> <li>I can explain that sensors are input devices</li> <li>I can use data from a sensor to answer a given question</li> <li>I can identify that data from sensors can be recorded</li> </ul>	<b>To compare paper and computer-based databases</b> <ul style="list-style-type: none"> <li>I can navigate a flat-file database to compare different views of information</li> <li>I can explain what a 'field' and a 'record' is in a database</li> <li>I can choose which field to sort data by to answer a given question</li> </ul>	<b>To plan the features of a web page</b> <ul style="list-style-type: none"> <li>I can recognise the common features of a web page</li> <li>I can suggest media to include on my page</li> <li>I can draw a web page layout that suits my purpose</li> </ul>
	<b>To identify that the look of text can be changed on a computer</b> <ul style="list-style-type: none"> <li>I can type capital letters</li> <li>I can explain what the keys that I have learnt about already do</li> <li>I can identify the toolbar and use bold, italic, and underline</li> </ul>	<b>To describe what makes a good photograph</b> <ul style="list-style-type: none"> <li>I can identify what is wrong with a photograph</li> <li>I can discuss how to take a good photograph</li> <li>I can improve a photograph by retaking it</li> </ul>		<b>To plan an animation</b> <ul style="list-style-type: none"> <li>I can break down a story into settings, characters and events</li> <li>I can describe an animation that is achievable on screen</li> <li>I can create a storyboard</li> </ul>	<b>To explain that a data logger collects 'data points' from sensors over time</b> <ul style="list-style-type: none"> <li>I can identify a suitable place to collect data</li> <li>I can identify the intervals used to collect data</li> <li>I can talk about the data that I have captured</li> </ul>	<b>To apply my knowledge of a database to ask and answer real-world questions</b> <ul style="list-style-type: none"> <li>I can explain how information can be grouped</li> <li>I can group information to answer questions</li> <li>I can combine grouping and sorting to answer more specific questions</li> </ul>	<b>To consider the ownership and use of images (copyright)</b> <ul style="list-style-type: none"> <li>I can say why I should use copyright-free images</li> <li>I can find copyright-free images</li> <li>I can describe what is meant by the term 'fair use'</li> </ul>
	<b>To make careful choices when changing text</b> <ul style="list-style-type: none"> <li>I can select a word by double-clicking</li> <li>I can select all of the text by clicking and dragging</li> <li>I can change the font</li> </ul>	<b>To decide how photographs can be improved</b> <ul style="list-style-type: none"> <li>I can explore the effect that light has on a photo</li> <li>I can experiment with different light sources</li> <li>I can focus on an object</li> </ul>		<b>To identify the need to work consistently and carefully</b> <ul style="list-style-type: none"> <li>I can use onion skinning to help me make small changes between frames</li> <li>I can review a sequence of frames to check my work</li> <li>I can evaluate the quality of my animation</li> </ul>	<b>To use data collected over a long duration to find information</b> <ul style="list-style-type: none"> <li>I can import a data set</li> <li>I can use a computer to view data in different ways</li> <li>I can use a computer program to sort data</li> </ul>	<b>To explain that tools can be used to select data to answer questions</b> <ul style="list-style-type: none"> <li>I can choose which field and value are required to answer a given question</li> <li>I can outline how 'AND' and 'OR' can be used to refine data selection</li> <li>I can choose multiple criteria to answer a given question</li> </ul>	<b>To recognise the need to preview pages</b> <ul style="list-style-type: none"> <li>I can add content to my own web page</li> <li>I can preview what my web page looks like</li> <li>I can evaluate what my web page looks like on different devices and suggest/make edits.</li> </ul>
	<b>To explain why I used the tools that I chose</b> <ul style="list-style-type: none"> <li>I can say what tool I used to change the text</li> <li>I can decide if my changes have improved my writing</li> <li>I can use 'undo' to remove changes</li> </ul>	<b>To use tools to change an image</b> <ul style="list-style-type: none"> <li>I can recognise that images can be changed</li> <li>I can use a tool to achieve a desired effect</li> <li>I can explain my choices</li> </ul>		<b>To review and improve an animation</b> <ul style="list-style-type: none"> <li>I can explain ways to make my animation better</li> <li>I can evaluate another learner's animation</li> <li>I can improve my animation based on feedback</li> </ul>	<b>To identify the data needed to answer questions</b> <ul style="list-style-type: none"> <li>I can propose a question that can be answered using logged data</li> <li>I can plan how to collect data using a data logger</li> <li>I can use a data logger to collect data</li> </ul>	<b>To apply my knowledge of a database to ask and answer real-world questions</b> <ul style="list-style-type: none"> <li>I can select an appropriate chart to visually compare data</li> <li>I can refine a chart by selecting a particular filter</li> <li>I can explain the benefits of using a computer to create graphs</li> </ul>	<b>To outline the need for a navigation path</b> <ul style="list-style-type: none"> <li>I can explain what a navigation path is</li> <li>I can describe why navigation paths are useful</li> <li>I can make multiple web pages and link them using hyperlinks</li> </ul>
	<b>To compare writing on a computer with writing on paper</b> <ul style="list-style-type: none"> <li>I can write a message on a computer and on paper</li> <li>I can compare using a computer with using a pencil and paper</li> <li>I can say which method I like best</li> </ul>	<b>To recognise that images can be changed</b> <ul style="list-style-type: none"> <li>I can apply a range of photography skills to capture a photo</li> <li>I can recognise which images have been changed</li> <li>I can identify which images are real and which have been changed</li> </ul>		<b>To evaluate the impact of adding other media to an animation</b> <ul style="list-style-type: none"> <li>I can add other media to my animation</li> <li>I can explain why I added other media to my animation</li> <li>I can evaluate my final film</li> </ul>	<b>To use collected data to answer questions</b> <ul style="list-style-type: none"> <li>I can interpret data that has been collected using a data logger</li> <li>I can draw conclusions from the data that I have collected</li> <li>I can explain the benefits of using a data logger</li> </ul>	<b>To apply my knowledge of a database to ask and answer real-world questions</b> <ul style="list-style-type: none"> <li>I can ask questions that will need more than one field to answer</li> <li>I can refine a search in a real-world context</li> <li>I can present my findings to a group</li> </ul>	<b>To recognise the implications of linking to content owned by other people</b> <ul style="list-style-type: none"> <li>I can explain the implication of linking to content owned by others</li> <li>I can create hyperlinks to link to other people's work</li> <li>I can evaluate the user experience of a website</li> </ul>
	<b>To identify technology</b> <ul style="list-style-type: none"> <li>I can explain technology as something that helps us</li> <li>I can locate examples of technology in the classroom</li> <li>I can explain how these technology examples help us</li> </ul>	<b>To recognise the uses and features of information technology</b> <ul style="list-style-type: none"> <li>I can identify examples of computers</li> <li>I can describe some uses of computers</li> <li>I can identify that a computer is a part of information technology</li> </ul>		<b>To create questions with yes/no answers</b> <ul style="list-style-type: none"> <li>I can investigate questions with yes/no answers</li> <li>I can make up a yes/no question about a collection of objects</li> <li>I can create two groups of objects separated by one attribute</li> </ul>	<b>To explain that digital images can be changed</b> <ul style="list-style-type: none"> <li>I can identify changes that we can make to an image</li> <li>I can explore how images can be changed in real life</li> <li>I can explain the effect that editing can have on an image</li> </ul>	<b>To explain that computers can be connected together to form systems</b> <ul style="list-style-type: none"> <li>I can explain that systems are built using a number of parts</li> <li>I can describe that a computer system features inputs, processes, and outputs</li> <li>I can explain that computer systems communicate with other devices</li> </ul>	<b>To identify how to use a search engine</b> <ul style="list-style-type: none"> <li>I can complete a web search to find specific information</li> <li>I can refine my search</li> <li>I can compare results from different search engines</li> </ul>

<p><b>To identify a computer and its main parts</b></p> <ul style="list-style-type: none"> <li>I can name the main parts of a computer</li> <li>I can switch on and log into a computer</li> <li>I can use a mouse to click and drag</li> </ul>	<p><b>To identify information technology in the home</b></p> <ul style="list-style-type: none"> <li>I can explain the purpose of information technology in the home</li> <li>I can open a file</li> <li>I can move and resize images</li> </ul>		<p><b>To create a branching database</b></p> <ul style="list-style-type: none"> <li>I can select objects to arrange in a branching database</li> <li>I can group objects using my own yes/no questions</li> <li>I can prove my branching database works</li> </ul>	<p><b>To change the composition of an image</b></p> <ul style="list-style-type: none"> <li>I can explain what has changed in an edited image</li> <li>I can change the composition of an image by selecting parts of it</li> <li>I can consider why someone might want to change the composition of an image</li> </ul>	<p><b>To recognise the role of computer systems in our lives</b></p> <ul style="list-style-type: none"> <li>I can identify tasks that are managed by computer systems</li> <li>I can identify the human elements of a computer system</li> <li>I can explain the benefits of a given computer system</li> </ul>	<p><b>To describe how search engines select results</b></p> <ul style="list-style-type: none"> <li>I can explain why we need tools to find things online</li> <li>I can recognise the role of web crawlers in creating an index</li> <li>I can relate a search term to the search engine's index</li> </ul>
<p><b>To use a mouse in different ways</b></p> <ul style="list-style-type: none"> <li>I can use a mouse to open a program</li> <li>I can click and drag to make objects on a screen</li> <li>I can use a mouse to create a picture</li> </ul>	<p><b>To identify information technology beyond school</b></p> <ul style="list-style-type: none"> <li>I can find examples of information technology</li> <li>I can talk about uses of information technology</li> <li>I can compare types of information technology</li> </ul>		<p><b>To explain why it is helpful for a database to be well structured</b></p> <ul style="list-style-type: none"> <li>I can create yes/no questions using given attributes</li> <li>I can explain that questions need to be ordered carefully to split objects into similarity sized groups</li> <li>I can compare two branching database structures</li> </ul>	<p><b>To describe how images can be changed for different uses</b></p> <ul style="list-style-type: none"> <li>I can talk about changes made to images</li> <li>I can choose effects to make my image fit a scenario</li> <li>I can explain why my choices fit a scenario</li> <li>I can compare appropriate tools to retouch an image</li> </ul>	<p><b>To recognise how information is transferred over the internet</b></p> <ul style="list-style-type: none"> <li>I can recognise that data is transferred using agreed methods</li> <li>I can explain that networked digital devices have unique addresses</li> <li>I can explain that data is transferred over networks in packets</li> </ul>	<p><b>To explain how search results are ranked</b></p> <ul style="list-style-type: none"> <li>I can explain that search results are ordered</li> <li>I can explain that a search engine follows rules to rank relevant pages</li> <li>I can suggest some of the criteria that a search engine checks to decide on the order of results</li> </ul>
<p><b>To use a keyboard to type</b></p> <ul style="list-style-type: none"> <li>I can tell you that writing on a computer is called typing</li> <li>I can type my name on a computer</li> <li>I can use the shift key to type a capital letter</li> <li>I can save my work to a file</li> </ul>	<p><b>To explain how information technology benefits us</b></p> <ul style="list-style-type: none"> <li>I can demonstrate how information technology is used in a shop</li> <li>I can recognise that information technology can be connected</li> <li>I can explain how information technology helps people</li> </ul>		<p><b>To identify objects using a branching database</b></p> <ul style="list-style-type: none"> <li>I can select a theme and choose a variety of objects</li> <li>I can create questions and apply them to a tree structure</li> <li>I can use my branching database to answer questions</li> </ul>	<p><b>To make good choices when selecting different tools</b></p> <ul style="list-style-type: none"> <li>I can identify how an image has been retouched</li> <li>I can give examples of positive and negative effects that retouching can have on an image</li> <li>I can choose appropriate tools to retouch an image</li> </ul>	<p><b>To explain how sharing information online lets people in different places work together</b></p> <ul style="list-style-type: none"> <li>I can recognise that connected digital devices can allow us to access shared files stored online</li> <li>I can send information over the internet in different ways</li> <li>I can explain that the internet allows different media to be shared</li> </ul>	<p><b>To recognise why the order of results is important, and to whom</b></p> <ul style="list-style-type: none"> <li>I can describe some of the ways that search results can be influenced</li> <li>I can recognise some of the limitations of search engines</li> <li>I can explain how search engines make money</li> </ul>
<p><b>To use the keyboard to edit text</b></p> <ul style="list-style-type: none"> <li>I can open my work from a file</li> <li>I can use the arrow keys to move the cursor</li> <li>I can delete letters</li> </ul>	<p><b>To show how to use information technology safely</b></p> <ul style="list-style-type: none"> <li>I can list different uses of information technology</li> <li>I can recognise how to use information technology responsibly</li> <li>I can say how those rules/guides can help me</li> </ul>		<p><b>To identify the object attributes needed to collect relevant data</b></p> <ul style="list-style-type: none"> <li>I can select an attribute to separate objects into groups</li> <li>I can create a group of objects within an existing group</li> <li>I can arrange objects into a tree structure</li> </ul>	<p><b>To recognise that not all images are real</b></p> <ul style="list-style-type: none"> <li>I can sort images into 'fake' or 'real' and explain my choices</li> <li>I can combine parts of images to create new images</li> <li>I can talk about fake images around me</li> </ul>	<p><b>To contribute to a shared project online</b></p> <ul style="list-style-type: none"> <li>I can suggest strategies to ensure successful group work</li> <li>I can make thoughtful suggestions on my group's work</li> <li>I can compare working online with working offline</li> </ul>	<p><b>To recognise how we communicate using technology</b></p> <ul style="list-style-type: none"> <li>I can explain the different ways in which people communicate</li> <li>I can identify that there are a variety of ways of communicating over the internet</li> <li>I can choose methods of communication to suit particular purposes</li> </ul>
<p><b>To create rules for using technology responsibly</b></p> <ul style="list-style-type: none"> <li>I can identify rules to keep us safe and healthy when we are using technology in and beyond the home</li> <li>I can give examples of some of these rules</li> <li>I can discuss how we benefit from these rules</li> </ul>	<p><b>To recognise that choices are made when using information technology</b></p> <ul style="list-style-type: none"> <li>I can identify the choices that I make when using information technology</li> <li>I can explain simple guidance for using information technology in different environments and settings</li> <li>I can enjoy a variety of activities</li> </ul>		<p><b>To compare the information shown in a pictogram with a branching database</b></p> <ul style="list-style-type: none"> <li>I can explain what a pictogram tells me</li> <li>I can explain what a branching database tells me</li> <li>I can compare two ways of presenting information</li> </ul>	<p><b>To evaluate how changes can improve an image</b></p> <ul style="list-style-type: none"> <li>I can consider the effect of adding other elements to my work</li> <li>I can compare the original image with my completed publication</li> <li>I can evaluate the impact of my publication on others through feedback</li> </ul>	<p><b>To evaluate different ways of working together online</b></p> <ul style="list-style-type: none"> <li>I can identify different ways of working together online</li> <li>I can recognise that working together on the internet can be public or private</li> <li>I can explain how the internet enables effective collaboration</li> </ul>	<p><b>To evaluate different methods of online communication</b></p> <ul style="list-style-type: none"> <li>I can compare different methods of communicating on the internet</li> <li>I can decide when I should and should not share</li> <li>I can explain that communication on the internet may not be private</li> </ul>
<p><b>To label objects</b></p> <ul style="list-style-type: none"> <li>I can describe objects using labels</li> <li>I can match objects to groups</li> <li>I can identify the label for a group of objects</li> </ul>	<p><b>To recognise that we can count and compare objects using tally charts</b></p> <ul style="list-style-type: none"> <li>I can record data in a tally chart</li> <li>I can represent a tally count as a total</li> <li>I can compare totals in a tally chart</li> </ul>		<p><b>To explain how digital devices function</b></p> <ul style="list-style-type: none"> <li>I can explain that digital devices accept inputs</li> <li>I can explain that digital devices produce outputs</li> <li>I can follow a process</li> </ul>	<p><b>To identify that sound can be digitally recorded:</b></p> <ul style="list-style-type: none"> <li>I can identify digital devices that can record sound and play it back</li> <li>I can identify the inputs and outputs required to play audio or record sound</li> <li>I can recognise the range of sounds that can be recorded</li> </ul>	<p><b>To recognise video as moving pictures, which can include audio</b></p> <ul style="list-style-type: none"> <li>I can explain that a video can include both visual and audio media</li> <li>I can explain the benefits of adding audio to a video</li> <li>I can plan a video project using a storyboard</li> </ul>	<p><b>To identify how to use a search engine</b></p> <ul style="list-style-type: none"> <li>I can complete a web search to find specific information</li> <li>I can refine my search</li> <li>I can compare results from different search engines</li> </ul>
<p><b>To identify that objects can be counted</b></p> <ul style="list-style-type: none"> <li>I can count objects</li> <li>I can group objects</li> <li>I can count a group of objects</li> </ul>	<p><b>To recognise that objects can be represented as pictures</b></p> <ul style="list-style-type: none"> <li>I can enter data onto a computer</li> <li>I can use a computer to view data in a different format</li> <li>I can use pictograms to answer simple questions about objects</li> </ul>		<p><b>To identify input and output devices</b></p> <ul style="list-style-type: none"> <li>I can classify input and output devices</li> <li>I can model a simple process</li> <li>I can design a digital device</li> </ul>	<p><b>To use a digital device to record sound:</b></p> <ul style="list-style-type: none"> <li>I can use a device to record audio and play back sound</li> <li>I can suggest how to improve my recording</li> <li>I can discuss what other people include when recording sound for a podcast</li> </ul>	<p><b>To identify digital devices that can record video</b></p> <ul style="list-style-type: none"> <li>I can identify and name digital devices that can record video and sound</li> <li>I can choose the most suitable digital device for recording my project</li> <li>I can locate and identify the working features of a digital device that can record video</li> </ul>	<p><b>To describe how search engines select results</b></p> <ul style="list-style-type: none"> <li>I can explain why we need tools to find things online</li> <li>I can recognise the role of web crawlers in creating an index</li> <li>I can relate a search term to the search engine's index</li> </ul>
<p><b>To describe objects in different ways</b></p> <ul style="list-style-type: none"> <li>I can describe an object</li> <li>I can use a tally chart to create a pictogram</li> <li>I can find objects with similar properties</li> </ul>	<p><b>To create a pictogram</b></p> <ul style="list-style-type: none"> <li>I can organise data in a tally chart</li> <li>I can use a tally chart to create a pictogram</li> <li>I can explain what the pictogram shows</li> </ul>		<p><b>To recognise how digital devices can change the way we work</b></p> <ul style="list-style-type: none"> <li>I can explain how I use digital devices for different activities</li> <li>I can recognise similarities between using digital devices and non-digital tools</li> <li>I can suggest differences between using digital devices and non-digital tools</li> </ul>	<p><b>To explain that a digital recording is stored as a file:</b></p> <ul style="list-style-type: none"> <li>I can plan and write the content for a podcast</li> <li>I can discuss why it is useful to be able to save digital recordings</li> <li>I can save a digital recording as a file</li> </ul>	<p><b>To capture video using a digital device</b></p> <ul style="list-style-type: none"> <li>I can select a suitable device and software to capture my video</li> <li>I can demonstrate suitable methods of using a digital device to capture my video</li> <li>I can demonstrate the safe use and handling of devices</li> </ul>	<p><b>To explain how search results are ranked</b></p> <ul style="list-style-type: none"> <li>I can explain that search results are ordered</li> <li>I can explain that a search engine follows rules to rank relevant pages</li> <li>I can suggest some of the criteria that a search engine checks to decide on the order of results</li> </ul>
<p><b>To count objects with the same properties</b></p> <ul style="list-style-type: none"> <li>I can group similar objects</li> <li>I can group objects in more than one way</li> <li>I can count how many objects share a property</li> </ul>	<p><b>To select objects by attribute and make comparisons</b></p> <ul style="list-style-type: none"> <li>I can tally objects using a common attribute</li> <li>I can create a pictogram to arrange objects by an attribute</li> <li>I can answer 'more than/less than' and 'most/least' questions about an attribute</li> </ul>		<p><b>To explain how a computer network can be used to share information</b></p> <ul style="list-style-type: none"> <li>I can recognise different connections</li> <li>I can explain how messages are passed through multiple connections</li> <li>I can discuss why we need a network switch</li> </ul>	<p><b>To explain that audio can be changed through editing:</b></p> <ul style="list-style-type: none"> <li>I can open a digital recording from a file</li> <li>I can discuss ways in which audio recordings can be altered</li> <li>I can edit sections of of an audio recording</li> </ul>	<p><b>To recognise the features of an effective video</b></p> <ul style="list-style-type: none"> <li>I can list some of the features of an effective video</li> <li>I can record a video that demonstrates some of the features of an effective video</li> <li>I can explain why lighting and angle are important in creating an effective video</li> </ul>	<p><b>To recognise why the order of results is important, and to whom</b></p> <ul style="list-style-type: none"> <li>I can describe some of the ways that search results can be influenced</li> <li>I can recognise some of the limitations of search engines</li> <li>I can explain how search engines make money</li> </ul>
<p><b>To compare groups of objects</b></p> <ul style="list-style-type: none"> <li>I can choose how to group objects</li> <li>I can describe groups of objects</li> <li>I can record how many objects are in a group</li> </ul>	<p><b>To recognise that people can be described by attributes</b></p> <ul style="list-style-type: none"> <li>I can choose a suitable attribute to compare people</li> <li>I can collect the data I need</li> <li>I can create a pictogram and draw conclusions from it</li> </ul>		<p><b>To explore how digital devices can be connected</b></p> <ul style="list-style-type: none"> <li>I can recognise that a computer network is made up of a number of devices</li> <li>I can demonstrate how information can be passed between devices</li> <li>I can explain the role of a switch, server, and wireless access point in a network</li> </ul>	<p><b>To show that different types of audio can be combined and played together:</b></p> <ul style="list-style-type: none"> <li>I can discuss sounds that other people combine</li> <li>I can choose suitable sounds to include in a podcast</li> <li>I can use editing tools to arrange sections of audio</li> </ul>	<p><b>To identify that video can be improved through reshooting and editing</b></p> <ul style="list-style-type: none"> <li>I can store, retrieve, and export my recording to a computer</li> <li>I can explain how to improve a video by reshooting and editing</li> <li>I can select the correct tools to make edits to my video</li> </ul>	<p><b>To recognise how we communicate using technology</b></p> <ul style="list-style-type: none"> <li>I can explain the different ways in which people communicate</li> <li>I can identify that there are a variety of ways of communicating over the internet</li> <li>I can choose methods of communication to suit particular purposes</li> </ul>
<p><b>To answer questions about groups of objects</b></p> <ul style="list-style-type: none"> <li>I can decide how to group objects to answer a question</li> <li>I can compare groups of objects</li> <li>I can record and share what I have found</li> </ul>	<p><b>To explain that we can present information using a computer</b></p> <ul style="list-style-type: none"> <li>I can use a computer program to present information in different ways</li> <li>I can share what I have found out using a computer</li> <li>I can give simple examples of why information should not be shared</li> </ul>		<p><b>To recognise the physical components of a network</b></p> <ul style="list-style-type: none"> <li>I can identify how devices in a network are connected with one another</li> <li>I can identify networked devices around me</li> <li>I can identify the benefits of computer networks</li> </ul>	<p><b>To evaluate editing choices made:</b></p> <ul style="list-style-type: none"> <li>I can explain that digital recordings need to be exported to share them</li> <li>I can discuss the features of a digital recording I like</li> <li>I can suggest improvements to a digital recording</li> </ul>	<p><b>To consider the impact of the choices made when making and sharing a video</b></p> <ul style="list-style-type: none"> <li>I can make edits to my video and improve the final outcome</li> <li>I can recognise that my choices when making a video will impact on the quality of the final outcome</li> <li>I can evaluate my video and share my opinions</li> </ul>	<p><b>To evaluate different methods of online communication</b></p> <ul style="list-style-type: none"> <li>I can compare different methods of communicating on the internet</li> <li>I can decide when I should and should not share</li> <li>I can explain that communication on the internet may not be private</li> </ul>