

EYFS			
Computing systems and networks	Creating Media	Data and information	Programming
<p>And, from Development Matters</p> <p>Shows an interesting in technological toys with knobs or pullets or real objects such as cameras or mobile phones [30 to 50 months]</p> <p>knows the information can be retrieved from computers [30 to 50 months]</p> <p>uses ICT hardware to interact with age appropriate computer software [40 to 60 months]</p> <p>recognise a range of technology is used in places such as homes and schools [ELG]</p>	<p>Children should:</p> <p>Know what technology is. Know how to use an app.</p> <p>Know how to drag.</p> <p>Use a simple PAINT program</p> <p>Children should:</p> <p>Know that we can use technology for a range of purposes.</p> <p>Know that text comes in different sizes and colours. Know that computers can be used to create text.</p> <p>Use technology to assist their learning.</p>	<p>Children should:</p> <p>Know that some objects are the same and some are different. Know how to sort objects.</p> <p>Count objects in a set.</p>	<p>Children should:</p> <p>know what a bee-bot is.</p> <p>Make a bee-bot move forward, backwards and turn.</p> <p>Follow a route with a bee-bot. Move from one place to another with a bee-bot.</p> <p>Children should:</p> <p>Recall basic bee bot programmes.</p> <p>Plan a route for a bee bot.</p> <p>Plan two or three turns in their route.</p> <p>Reach a destination.</p> <p>Follow routes on other programmes.</p> <p>Control an object on an iPad programme using forwards backwards and turns.</p> <p>And, from development Matters</p> <p>completes a simple programme on a computer [40 to 60 months]</p>

Year 1			
Computing systems and networks	Creating Media	Data and information	Programming
<p>Children should</p> <p>Know that technology is something that helps us.</p> <p>Know how to locate examples of technology in the classroom.</p> <p>Know the main parts of a computer. Know how to switch on and log into a computer.</p> <p>Know how to can use a mouse to click and drag.</p> <p>Know how to use a mouse to open a program.</p> <p>Know how to click and drag to make objects on a screen.</p> <p>Know how to use a mouse to create a picture.</p> <p>Know that writing on a computer is called typing.</p> <p>Know how to type their name on a computer.</p> <p>Know how to save and open work to a file.</p> <p>Know how to use the arrow keys to move the cursor.</p> <p>Know how to delete letters.</p> <p>Know some rules for using technology responsibly.</p>	<p>Children should</p> <p>Know how to make marks on a screen and explain which tools are used.</p> <p>Know how to draw lines on a screen and explain which tools are used.</p> <p>Know how to use the paint tools to draw a picture.</p> <p>Know how to make marks with the square and line tools and can use the shape and line tools effectively.</p> <p>Know how to use the shape and line tools to recreate the work of an artist.</p> <p>Know how to choose appropriate shapes and colour choices.</p> <p>Know how to create a picture in the style of an artist.</p> <p>Know that different paint tools do different jobs and can say which tools were helpful and why.</p> <p>Know how to make dots of colour on the page. Know how to change the colour and brush sizes.</p> <p>Know how to use dots of colour to create a picture in the style of an artist.</p> <p>Know the differences between painting on a computer and on paper and can express a preference.</p> <p>Know how to open a word processor. Recognise keys on a keyboard.</p> <p>Know the keys on a keyboard.</p> <p>Know how to enter text into a computer.</p> <p>Know how to use letter, number, and space keys.</p> <p>Know how to use backspace to remove text.</p> <p>Know how to type capital letters.</p> <p>Know what the keys that they have learnt about already do.</p> <p>Know the toolbar and can use bold, italic, and underline.</p> <p>Know how to select a word by double-clicking and all of the text by clicking and dragging.</p> <p>Know how to change the font.</p> <p>Know what tool they used to change the text.</p> <p>Know if changes have improved the writing and can use 'undo' to remove changes.</p> <p>Know how to write a message on a computer and on paper and then compare using a computer with using a pencil and paper.</p> <p>Know which method they like best.</p>	<p>Know how to describe objects using labels.</p> <p>Know how to match objects to groups.</p> <p>Know what the label for a group of objects is.</p> <p>Know how to count and group objects.</p> <p>Know how to describe an object using its properties.</p> <p>Know how to find objects with similar properties. Know how to group similar objects in more than one way.</p> <p>Know how to count how many objects share a property.</p> <p>Know to group objects and record how many objects are in a group.</p> <p>Know how to group objects to answer a question.</p> <p>Know how to compare groups of objects.</p> <p>Know how to record and share what they have found.</p>	<p>Know the outcome of a command on a device. match a command to an outcome.</p> <p>Know how to run a command on a device.</p> <p>Know how to follow an instruction.</p> <p>Know how to recall words that can be acted out.</p> <p>Know how to give directions and compare forwards and backwards movements.</p> <p>Know how to start a sequence from the same place.</p> <p>Know how to predict the outcome of a sequence involving forwards and backwards commands.</p> <p>Know how to compare left and right turns and experiment with turn and move commands to move a robot.</p> <p>Know how to predict the outcome of a sequence involving up to four commands.</p> <p>Know how to plan a simple program and explain what their program should do.</p> <p>Know how to choose the order of commands in a sequence.</p> <p>Know how to debug my program and identify several possible solutions.</p> <p>Know how to find the commands to move a sprite.</p> <p>Know how to use more than one block by joining them together.</p> <p>Know how to use a Start block in a program and then run their program.</p> <p>Know how to find blocks that have numbers and change them.</p> <p>Know what happens when they do.</p> <p>Know how to include more than one sprite and can delete a sprite if needed.</p> <p>Know how to add blocks to each of my sprites.</p> <p>Know how to choose appropriate artwork for my project.</p> <p>. Know how to create an algorithm for each sprite and use an algorithm to create a program.</p> <p>Know how to use sprites that match a design.</p> <p>Know how to add programming blocks based on an algorithm.</p> <p>Know how to test the programs.</p>

Year 2			
Computing systems and networks	Creating Media	Data and information	Programming
<p>Children should:</p> <p>Know some examples of computers.</p> <p>Know some uses of computers.</p> <p>Know that a computer is a part of information technology.</p> <p>Know the purpose of information technology in the home.</p> <p>Know how to open a file.</p> <p>Know how to move and resize images.</p> <p>Know some examples of information technology and talk about their uses.</p> <p>Know how information technology is used in a shop.</p> <p>Know that information technology can be connected and can explain how information technology helps people.</p> <p>Know different uses of information technology.</p> <p>Know how to use information technology responsibly.</p>	<p>Children should:</p> <p>Know what devices can be used to take photographs.</p> <p>Know how to take a photograph.</p> <p>Know the process of taking a good photograph.</p> <p>Know how to take photos in both landscape and portrait format and explain which looks better.</p> <p>Know what is wrong with a photograph and can improve a photograph by retaking it.</p> <p>Know the effect that light has on a photo and can experiment with different light sources.</p> <p>Know why a picture may be unclear.</p> <p>Know that images can be changed and can use a tool to achieve a desired effect.</p> <p>Know when a photo has been changed.</p> <p>Know simple differences in pieces of music.</p> <p>Know how music makes me feel, e.g. happy or sad.</p> <p>Know how to create a rhythm pattern.</p> <p>Know that music is created and played by humans.</p> <p>Know how to connect images with sounds.</p> <p>Know how to use a computer to experiment with pitch and duration.</p> <p>Know how to relate an idea to a piece of music.</p> <p>Know that music is a sequence of notes.</p> <p>Know how to use a computer to create a musical pattern using three notes.</p> <p>Know how to refine a musical pattern on a computer.</p> <p>Know how to describe an animal using sounds and explain their choices.</p> <p>Know how to save their work.</p> <p>Know how to reopen their work.</p> <p>Know how to make their work better.</p>	<p>Children should</p> <p>Know how to record data in a tally chart.</p> <p>Know how to represent a tally count as a total.</p> <p>Know how to compare totals in a tally chart.</p> <p>Know how to enter data onto a computer.</p> <p>Know how to use a computer to view data in a different format.</p> <p>Know how to use pictograms to answer simple questions about objects.</p> <p>Know how to organise data in a tally chart.</p> <p>Know how to use a tally chart to create a pictogram.</p> <p>Know what the pictogram shows.</p> <p>Know how to tally objects using a common attribute.</p> <p>Know how to create a pictogram to arrange objects by an attribute.</p> <p>Know how to answer, 'more than'/'less than' and 'most/least' questions about an attribute.</p> <p>Know how to choose a suitable attribute to compare people.</p> <p>Know how to collect the data they need to create a pictogram and draw conclusions from it.</p> <p>Know how to use a computer program to present information in different ways.</p> <p>Know why information should not be shared.</p>	<p>Children should:</p> <p>Know how to choose a series of words that can be enacted as a sequence.</p> <p>Know how to create different algorithms for a range of sequences (using the same commands).</p> <p>Know how to use an algorithm to program a sequence on a floor robot.</p> <p>Know the difference in outcomes between two sequences that consist of the same commands.</p> <p>Know how to follow a sequence and predict the outcome.</p> <p>Know how to compare a prediction to the program outcome.</p> <p>Know how to identify different routes around a mat.</p> <p>Know how to test a mat to make sure that it is usable.</p> <p>Know what an algorithm should achieve and can create an algorithm to meet a goal.</p> <p>Know how to use an algorithm to create a program.</p> <p>Know how to test and debug each part of the program and put together the different parts of a program.</p> <p>Know that a program needs to be started.</p> <p>Know how to run a program and predict the outcome of a sequence of commands.</p> <p>Know how to match two sequences with the same outcome.</p> <p>Know how to change the outcome of a sequence of commands.</p> <p>Know how to work out the actions of a sprite in an algorithm.</p> <p>Know which blocks to use to meet the design.</p> <p>Know how to build the sequences of blocks they need.</p> <p>Know how to choose backgrounds and characters for the design.</p> <p>Know how to choose the images for my own design.</p> <p>Know how to create an algorithm and can build sequences of blocks to match my design.</p> <p>Know how to compare a project to a design.</p> <p>Improve a project by adding features. Know how to debug.</p>

Year 3			
Computing systems and networks	Creating Media	Data and information	Programming
<p>Children should:</p> <p>Know that digital devices accept inputs.</p> <p>Know that digital devices produce outputs.</p> <p>Know how to follow a process.</p>	<p>Children should:</p> <p>Know how an animation/flip book works. Predict what an animation will look like.</p>	<p>Children should:</p> <p>Know some questions with yes/no answers.</p> <p>Know how to make up a yes/no question about a collection of objects.</p>	<p>Children should:</p> <p>Know how to identify the objects in a Scratch project (sprites, backdrops).</p> <p>Know that objects in Scratch have attributes.</p>

<p>Know how to classify input and output devices.</p> <p>Know how to model a simple process.</p> <p>Know how to design a digital device.</p> <p>Know how to use digital devices for different activities.</p> <p>Know some similarities between using digital devices and non-digital tools.</p> <p>Know some differences between using digital devices and non-digital tools.</p> <p>Know some different connections.</p> <p>Know how messages are passed through multiple connections.</p> <p>Know why we need a network switch.</p> <p>Know that a computer network is made up of a number of devices.</p> <p>Know how information can be passed between devices.</p> <p>Know the role of a switch, server, and wireless access point in a network.</p> <p>Know how devices in a network are connected with one another.</p> <p>Know some networked devices around me.</p> <p>Know what the benefits of computer networks are.</p>	<p>Know why little changes are needed for each frame.</p> <p>Create an effective stop-frame animation.</p> <p>Know how to break down a story into settings, characters and events. Describe an animation that is achievable on screen.</p> <p>Know how to create a storyboard.</p> <p>Know how to use onion skinning to make small changes between frames. Know how to review a sequence of frames to check work.</p> <p>Add other media to an animation.</p> <p>Know the difference between text and images.</p> <p>Know that text and images can communicate messages clearly.</p> <p>Know the advantages and disadvantages of using text and images.</p> <p>Change font style, size, and colours for a given purpose. Know how to edit text and can explain that text can be changed to communicate more clearly.</p> <p>Define the term 'page orientation'.</p> <p>Know what placeholders are and say why they are important.</p> <p>Know how to create a template for a particular purpose.</p> <p>Know the best locations for content.</p> <p>Paste text and images to create a magazine cover. Make changes to content. Identify different layouts and match a layout to a purpose.</p> <p>Identify the uses of desktop publishing in the real world and say why desktop publishing might be helpful. Compare work made on desktop publishing to work created by hand.</p>	<p>Know how to create two groups of objects separated by one attribute.</p> <p>Know how to select an attribute to separate objects into groups.</p> <p>Know how to create a group of objects within an existing group.</p> <p>Know how to arrange objects into a tree structure.</p> <p>Know how to select objects to arrange in a branching database.</p> <p>Know how to group objects using my own yes/no questions.</p> <p>Know how to prove my branching database works.</p> <p>Know how to create yes/no questions using given attributes.</p> <p>Know that questions need to be ordered carefully to split objects into similarly sized groups.</p> <p>Know how to compare two branching database structures.</p> <p>Know how to select a theme and choose a variety of objects.</p> <p>Know how to create questions and apply them to a tree structure.</p> <p>Know how to use my branching database to answer questions.</p> <p>Know what a pictogram tells me.</p> <p>Know what a branching database tells them.</p> <p>Know how to compare two ways of presenting information.</p>	<p>Know that commands in Scratch are represented as blocks.</p> <p>Know that each sprite is controlled by the commands they choose.</p> <p>Know how to choose a word which describes an on-screen action for their design.</p> <p>Know how to create a program following a design.</p> <p>Know how to start a program in different ways. Create a sequence of connected commands.</p> <p>Know that the objects in a project will respond exactly to the code.</p> <p>Know what a sequence is. Know how to create sound commands.</p> <p>Know how to order notes into a sequence.</p> <p>Know how to build a sequence of commands.</p> <p>Know how to decide the actions for each sprite in a program.</p> <p>Know how to make design choices for their artwork.</p> <p>Know how to name the objects they will need for a project.</p> <p>Know how to relate a task description to a design.</p> <p>Implement an algorithm as code.</p> <p>Know the relationship between an event and an action.</p> <p>Know which keys to use for actions and explain my choices.</p> <p>Know how to improve a program.</p> <p>Know how to choose a character for my project.</p> <p>Know how to program movement.</p> <p>Know how to use a programming extension. Consider the real world when making design choices.</p> <p>Know how to choose blocks to set up my program.</p> <p>Know how to identify additional features (from a given set of blocks).</p> <p>Know how to choose suitable keys to turn on additional features.</p> <p>Know how to build more sequences of commands to make their design work. Know how to test a program against a given design.</p> <p>Know how to match a piece of code to an outcome.</p> <p>Know how to modify a program using a design.</p> <p>Know how to make design choices and justify them.</p>
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Year 4			
Computing systems and networks	Creating Media	Data and information	Programming
<p>Children should:</p> <p>Know how information is shared across the internet.</p>	<p>Children should:</p> <p>Know some digital devices that can record sound and play it back.</p>	<p>Children should:</p> <p>Know how to choose a data set to answer a given question.</p>	<p>Children should:</p> <p>Know how to program a computer by typing commands.</p> <p>Know the effect of changing a value of a command.</p>

<p>Know why a network needs protecting. Know some different networked devices and how they connect.</p> <p>Know how the internet allows us to view the World Wide Web.</p> <p>Know that the World Wide Web is the part of the internet that contains websites and web pages.</p> <p>Know the types of media that can be shared on the World Wide Web (WWW). Know where websites are stored when uploaded to the WWW.</p> <p>Know how to access websites on the WWW.</p> <p>Know how to create media which can be found on websites.</p> <p>Know they can add content to the WWW. Know that websites and their content are created by people.</p> <p>Know who owns the content on websites.</p> <p>Know that there are rules to protect content.</p> <p>Know that not everything on the World Wide Web is true.</p> <p>Know why they need to think carefully before sharing or resharing content.</p>	<p>Know the inputs and outputs required to play audio or record sound.</p> <p>Know that a range of sounds can be recorded.</p> <p>Know how to use a device to record audio and play back sound.</p> <p>Know why it is useful to be able to save digital recordings.</p> <p>Know how to save a digital recording as a file.</p> <p>Know how to open a digital recording from a file.</p> <p>Know ways in which audio recordings can be altered.</p> <p>Know how to edit sections of an audio recording.</p> <p>Know how to use editing tools to arrange sections of audio.</p> <p>Know that digital recordings need to be exported to share them.</p> <p>Know some changes that we can make to an image.</p> <p>Know how images can be changed in real life.</p> <p>Know some of the effects that editing can have on an image.</p> <p>Know how to recognise what has changed in an edited image.</p> <p>Know how to change the composition of an image by selecting parts of it.</p> <p>Know why someone might want to change the composition of an image.</p> <p>Know how to choose effects to make my image fit a scenario.</p> <p>Know some examples of positive and negative effects that retouching can have on an image.</p> <p>Know some appropriate tools to retouch an image.</p> <p>Know how to combine parts of images to create new images.</p> <p>Know how to compare the original image with my completed publication.</p>	<p>Know some questions that can be answered using a given data set.</p> <p>Know that data can be gathered over time.</p> <p>Know that sensors are input devices.</p> <p>Know how to use data from a sensor to answer a given question.</p> <p>Know that data from sensors can be recorded.</p> <p>Know where a suitable place to collect data might be.</p> <p>Know what intervals used to collect data.</p> <p>Know how to import a data set and can use a computer to view data in different ways.</p> <p>Know how to use a computer program to sort data.</p> <p>Know how to propose a question that can be answered using logged data.</p> <p>Know how to plan how to collect data using a data logger.</p> <p>Know how to interpret data that has been collected using a data logger and draw conclusions from the data that has been collected.</p> <p>Know the benefits of using a data logger.</p>	<p>Know how to create a code snippet for a given purpose.</p> <p>. Know how to write an algorithm to produce a given outcome.</p> <p>Know how to test an algorithm in a text-based language.</p> <p>Know how to identify patterns in a sequence.</p> <p>Know how to use a count-controlled loop to produce a given outcome.</p> <p>Know how to identify the effect of changing the number of times a task is repeated.</p> <p>Know how to predict the outcome of a program containing a count-controlled loop.</p> <p>Know which values to change in a loop.</p> <p>Know how to use a procedure in a program.</p> <p>Know that a computer can repeatedly call a procedure.</p> <p>Know how to design a program that includes count-controlled loops.</p> <p>Know how to develop my program by debugging it.</p> <p>Know how to predict the outcome of a snippet of code.</p> <p>Know how to modify a snippet of code to create a given outcome.</p> <p>Know how to modify loops to produce a given outcome.</p> <p>Know when to use a count-controlled and an infinite loop.</p> <p>Know that some programming languages enable more than one process to be run at once.</p> <p>Know which action will be repeated for each object.</p> <p>Know what the outcome of the repeated action should be.</p> <p>Know how to evaluate the effectiveness of the repeated sequences used in a program.</p> <p>Know which parts of a loop can be changed and what happens then.</p> <p>Know how to re-use existing code snippets on new sprites.</p> <p>Know how to design a project that includes repetition.</p> <p>Know how to select key parts of a given project to use in their own design.</p> <p>Know how to refine the algorithm in a design and build a program that follows the design.</p> <p>Know how to evaluate the project.</p>
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Year 5			
Computing systems and networks	Creating Media	Data and information	Programming
<p>Children should:</p> <p>Know that systems are built using a number of parts.</p>	<p>Children should:</p> <p>Know that vector drawings are made using shapes.</p> <p>Know the main drawing tools.</p>	<p>Children should:</p> <p>Know how to create multiple questions about the same field.</p>	<p>Children should:</p> <p>Know how to build a simple circuit to connect a microcontroller to a computer.</p>



<p>Know that a computer system features inputs, processes, and outputs.</p> <p>Know that computer systems communicate with other devices.</p> <p>Know some tasks that are managed by computer systems.</p> <p>Know the human elements of a computer system.</p> <p>Know the benefits of a given computer system.</p> <p>Know that data is transferred using agreed methods.</p> <p>Know that networked digital devices have unique addresses.</p> <p>Know that data is transferred over networks in packets.</p> <p>Know that connected digital devices can allow us to access shared files stored online.</p> <p>Know how to send information over the internet in different ways.</p> <p>Know that the internet allows different media to be shared.</p> <p>Know some strategies to ensure successful group work.</p> <p>Know different ways of working together online.</p> <p>Know that working together on the internet can be public or private.</p> <p>Know how the internet enables effective collaboration.</p>	<p>Know how a vector drawing is different from paper-based drawings.</p> <p>Know the shapes used to make a vector drawing.</p> <p>Know that each element added to a vector drawing is an object.</p> <p>Know how to move, resize, and rotate objects.</p> <p>Know how to use the zoom tool to help add detail to drawings.</p> <p>Know how alignment grids and resize handles can be used to improve consistency.</p> <p>Know how to modify objects to create different effects.</p> <p>Know that each added object creates a new layer in the drawing.</p> <p>Know which objects are in the front layer or in the back layer of a drawing.</p> <p>Know how to change the order of layers in a Vector drawing.</p> <p>Know that a video can include both visual and audio media.</p> <p>Know the benefits of adding audio to a video.</p> <p>Know some digital devices that can record video and sound.</p> <p>Know the most suitable digital device for recording a project.</p> <p>Know the working features of a digital device that can record video.</p> <p>Know suitable methods of using a digital device to capture a video.</p> <p>Know the safe use and handling of devices.</p> <p>Know some of the features of an effective video.</p> <p>. Know why lighting and angle are important in creating an effective video.</p> <p>Know how to store, retrieve, and export my recording to a computer.</p> <p>Know how to improve a video by reshooting and editing.</p> <p>Know the correct tools to make edits to a video.</p> <p>Know that choices when making a video will impact on the quality of the final outcome.</p> <p>Know how to evaluate a video and share opinions.</p>	<p>Know how information can be recorded.</p> <p>Know how to order, sort, and group my data cards.</p> <p>Know how to navigate a flat-file database to compare different views of information.</p> <p>Know what a 'field' and a 'record' is in a database.</p> <p>Know which field to sort data by to answer a given question.</p> <p>Know how information can be grouped.</p> <p>Know how to combine grouping and sorting to answer more specific questions.</p> <p>Know which field and value are required to answer a given question.</p> <p>Know how 'AND' and 'OR' can be used to refine data selection.</p> <p>Know how to choose multiple criteria to answer a given question.</p> <p>Know how to select an appropriate chart to visually compare data.</p> <p>Know how to refine a chart by selecting a particular filter.</p> <p>Know the benefits of using a computer to create graphs.</p> <p>. Know how to refine a search in a real-world context.</p>	<p>know how to program a microcontroller to light an LED.</p> <p>Know when to use an infinite loop.</p> <p>Know how to connect more than one output device to a microcontroller.</p> <p>Know how to design sequences for given output devices.</p> <p>Know which output devices to control with a count-controlled loop.</p> <p>Know that a condition is something that can be either true or false (e.g. whether a value is more than 10, or whether a button has been pressed).</p> <p>Know what a 'do until' loop is.</p> <p>Know how to program a microcontroller to respond to an input.</p> <p>Know that a condition being met can start an action.</p> <p>Identify a condition and an action in my project.</p> <p>Know how to use selection to direct the flow.</p> <p>Know how to identify a condition to start an action</p> <p>Know what my project will do (the task) and create a detailed drawing of my project.</p> <p>Know how to write an algorithm to control lights and a motor.</p> <p>Know how to use selection to produce an intended outcome.</p> <p>Know how to test and debug a project.</p> <p>Know how conditions are used in selection.</p> <p>Identify conditions in a program.</p> <p>Know how to modify a condition in a program.</p> <p>Know how to use selection in an infinite loop to check a condition.</p> <p>Know how to create a program with different outcomes using selection.</p> <p>Know that program flow can branch according to a condition.</p> <p>Know how to design the flow of a program which contains 'if... then... else...'</p> <p>Know that a condition can direct program flow in one of two ways.</p> <p>Know how to identify the outcome of user input in an algorithm.</p> <p>Know how to create the first section of a program.</p> <p>Know how to test a program and identify ways the program could be improved.</p> <p>Know how to identify the setup code and extend a program further.</p>
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Year 6			
Computing systems and networks	Creating Media	Data and information	Programming
Children should:	<p>know that websites are written in HTML.</p> <p>know the common features of a web page.</p>	<p>Know how to collect data.</p> <p>Know how to enter data into a spreadsheet.</p>	<p>Know the way a variable change can be defined.</p> <p>Know that variables can be numbers or letters.</p>

<p>Know that computers use addresses to access websites.</p> <p>Know that data is transferred using agreed methods.</p> <p>Know that data is transferred over the Internet in packets.</p> <p>Know the main part of a data packet.</p> <p>Know the Internet allows different media to be shared.</p> <p>Know the different ways in which people communicate over the Internet.</p> <p>Know that communication on the Internet may not be private.</p>	<p>Know some media that can be included on a web page.</p> <p>know what is meant by the term fair use.</p> <p>Know how to find copy free copyright free images.</p> <p>Know how to preview what a web page looks like</p> <p>Know what a navigation path is and why it is useful.</p> <p>Know how to link multiple webpages by a hyperlink.</p> <p>Know the implications of linking to content owned by others.</p> <p>Know how to add 3D shapes to a project.</p> <p>Know how to move, left, lower, objects, resize, duplicate, group, rotate, and view 3D shapes from different perspectives.</p> <p>Know how to accurately size 3D objects.</p> <p>Know how to combine a number of 3D objects.</p> <p>Know that placeholders can create holes in 3D objects.</p> <p>Know how to construct a 3D model based on a design.</p>	<p>Know how to format a cell.</p> <p>Know how to construct a formula in a spreadsheet.</p> <p>Know that changing inputs changes outputs.</p> <p>Know how to apply a formula to multiple cells by duplicating it.</p> <p>Know how to calculate data using different operations.</p> <p>Know how to produce a chart.</p> <p>Know when it is better to use a table or a chart</p>	<p>Know that variables have a name and value.</p> <p>Know how to identify a programme variable as a placeholder in memory for a single value.</p> <p>Know that the value of a variable can change.</p> <p>Know how to make use of an event in a programme to set a variable.</p> <p>Know how to create algorithms for a project.</p> <p>Know how to choose the name that identifies the role of the variable.</p> <p>Know how to improve a game.</p> <p>Know how to test the programme on an emulator.</p> <p>Know how to transfer a programme to a controllable device.</p> <p>Know how to determine the flow of a programme using selection.</p> <p>Know how to use a variable in an if, then, else statement to select the flow of a programme.</p> <p>Know how to change different physical inputs#</p> <p>Know that checking a variable doesn't change its value</p> <p>Know how to use a condition to change your variable</p> <p>Know the importance of the order of conditions in else if statements.</p> <p>Know how to modify a programme to achieve a different outcome.</p> <p>Know how to use an operand in an if then statement</p> <p>Know how to design an algorithm for a project.</p> <p>Know how to create a programme based on a design.</p>
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