

4	-To develop my program by adding features	<ul style="list-style-type: none"> -I can build more sequences of commands to make my design work - I can choose suitable keys to turn on additional features - I can identify additional features (from a given set of blocks)
5	-To identify and fix bugs in a program	<ul style="list-style-type: none"> -I can match a piece of code to an outcome - I can modify a program using a design - I can test a program against a given design
6	-To design and create a maze-based challenge	<ul style="list-style-type: none"> -I can evaluate my project - I can implement my design - I can make design choices and justify them

Year FOUR

Computing systems and networks – The Internet

Lesson	Title	Learning Intention	Success Criteria
1	Computing systems and networks – The Internet	-To describe how networks physically connect to other networks	<ul style="list-style-type: none"> -I can demonstrate how information is shared across the internet - I can describe the internet as a network of networks - I can discuss why a network needs protecting
2		-To recognise how networked devices make up the internet	<ul style="list-style-type: none"> -I can describe networked devices and how they connect - I can explain that the internet is used to provide many services - I can recognise that the World Wide Web contains websites and web pages
3		-To outline how websites can be shared via the World Wide Web (WWW)	<ul style="list-style-type: none"> -I can describe how to access websites on the WWW - I can describe where websites are stored when uploaded to the WWW - I can explain the types of media that can be shared on the WWW
4		-To describe how content can be added and accessed on the World Wide Web (WWW)	<ul style="list-style-type: none"> -I can explain that internet services can be used to create content online - I can explain what media can be found on websites - I can recognise that I can add content to the WWW
5		-To recognise how the content of the WWW is created by people	<ul style="list-style-type: none"> -I can explain that there are rules to protect content - I can explain that websites and their content are created by people - I can suggest who owns the content on websites
6		-To evaluate the consequences of unreliable content	<ul style="list-style-type: none"> -I can explain that not everything on the World Wide Web is true - I can explain why I need to think carefully before I share or reshare content - I can explain why some information I find online may not be honest, accurate, or legal

Creating media – Audio production

Lesson	Title	Learning Intention	Success Criteria
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1	Creating media - Audio production	-To identify that sound can be recorded	-I can explain that the person who records the sound can say who is allowed to use it - I can identify the input and output devices used to record and play sound - I can use a computer to record audio
2		-To explain that audio recordings can be edited	-I can discuss what sounds can be added to a podcast - I can inspect the soundwave view to know where to trim my recording - I can re-record my voice to improve my recording
3		-To recognise the different parts of creating a podcast project	-I can explain how sounds can be combined to make a podcast more engaging - I can plan appropriate content for a podcast - I can save my project so the different parts remain editable
4		-To apply audio editing skills independently	-I can improve my voice recordings - I can record content following my plan - I can review the quality of my recordings
5		-To combine audio to enhance my podcast project	-I can arrange multiple sounds to create the effect I want - I can explain the difference between saving a project and exporting an audio file - I can open my project to continue working on it
6		-To evaluate the effective use of audio	-I can choose appropriate edits to improve my podcast - I can listen to an audio recording to identify its strengths - I can suggest improvements to an audio recording

Programming A – Repetition in shapes

Lesson	Title	Learning Intention	Success Criteria
1	Programming A – Repetition in shapes	-To identify that accuracy in programming is important	-I can create a code snippet for a given purpose - I can explain the effect of changing a value of a command - I can program a computer by typing commands
2		-To create a program in a text-based language	-I can test my algorithm in a text-based language - I can use a template to create a design for my program - I can write an algorithm to produce a given outcome
3		-To explain what 'repeat' means	-I can identify everyday tasks that include repetition as part of a sequence, eg brushing teeth, dance moves - I can identify patterns in a sequence - I can use a count-controlled loop to produce a given outcome
4		-To modify a count controlled loop to produce a given outcome	-I can choose which values to change in a loop - I can identify the effect of changing the number of times a task is repeated - I can predict the outcome of a program containing a count-controlled loop
5		-To decompose a task into small steps	-I can explain that a computer can repeatedly call a procedure - I can identify 'chunks' of actions in the real world - I can use a procedure in a program
6		-To create a program that uses count controlled loops to produce a given outcome	-I can design a program that includes count-controlled loops - I can develop my program by debugging it - I can make use of my design to write a program



Data and information – Data logging

Lesson	Title	Learning Intention	Success Criteria
1	Data and information – Data Logging	-To explain that data gathered over time can be used to answer questions	-I can choose a data set to answer a given question - I can identify data that can be gathered over time - I can suggest questions that can be answered using a given data set
2		-To use a digital device to collect data automatically	-I can explain what data can be collected using sensors - I can identify that data from sensors can be recorded - I can use data from a sensor to answer a given question
3		-To explain that a data logger collects 'data points' from sensors over time	-I can identify the intervals used to collect data - I can recognise that a data logger collects data at given points - I can talk about the data that I have captured
4		-To recognise how a computer can help us analyse data	-I can explain that there are different ways to view data - I can sort data to find information - I can view data at different levels of detail
5		-To identify the data needed to answer questions	-I can plan how to collect data using a data logger - I can propose a question that can be answered using logged data - I can use a data logger to collect data
6		-To use data from sensors to answer questions	-I can draw conclusions from the data that I have collected - I can explain the benefits of using a data logger - I can interpret data that has been collected using a data logger

Creating media – Photo editing

Lesson	Title	Learning Intention	Success Criteria
1	Creating media – Photo editing	-To explain that the composition of digital images can be changed	-I can explain why I might crop an image - I can improve an image by rotating it - I can use photo editing software to crop an image
2		-To explain that colours can be changed in digital images	-I can experiment with different colour effects - I can explain that different colour effects make you think and feel different things - I can explain why I chose certain colour effects
3		-To explain how cloning can be used in photo editing	-I can add to the composition of an image by cloning - I can identify how a photo edit can be improved - I can remove parts of an image using cloning
4		-To explain that images can be combined	-I can experiment with tools to select and copy part of an image - I can explain why photos might be edited - I can use a range of tools to copy between images
5		-To combine images for a purpose	-I can choose suitable images for my project - I can create a project that is a combination of other images - I can describe the image I want to create
6		-To evaluate how changes can improve an image	-I can combine text and my image to complete the project - I can review images against a given criteria - I can use feedback to guide making changes

Programming B – Repetition in games

Lesson	Title	Learning Intention	Success Criteria
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1	Programming B – Repetition in games	-To develop the use of count-controlled loops in a different programming environment	<ul style="list-style-type: none"> -I can list an everyday task as a set of instructions including repetition - I can modify a snippet of code to create a given outcome - I can predict the outcome of a snippet of code
2		-To explain that in programming there are infinite loops and count controlled loops	<ul style="list-style-type: none"> -I can choose when to use a count-controlled and an infinite loop - I can modify loops to produce a given outcome - I can recognise that some programming languages enable more than one process to be run at once
3		-To develop a design that includes two or more loops which run at the same time	<ul style="list-style-type: none"> -I can choose which action will be repeated for each object - - I can evaluate the effectiveness of the repeated sequences used in my program - I can explain what the outcome of the repeated action should be
4		-To modify an infinite loop in a given program	<ul style="list-style-type: none"> -I can explain the effect of my changes - I can identify which parts of a loop can be changed - I can re-use existing code snippets on new sprites
5		-To design a project that includes repetition	<ul style="list-style-type: none"> -I can develop my own design explaining what my project will do - I can evaluate the use of repetition in a project - I can select key parts of a given project to use in my own design
6		-To create a project that includes repetition	<ul style="list-style-type: none"> -I can build a program that follows my design - I can evaluate the steps I followed when building my project - I can refine the algorithm in my design

Year FIVE

Computing systems and networks - Systems and searching

Lesson	Title	Learning Intention	Success Criteria
1	Computing systems and networks - Systems and searching	-To explain that computers can be connected together to form systems	<ul style="list-style-type: none"> -I can describe that a computer system features inputs, processes, and outputs - I can explain that computer systems communicate with other devices - I can explain that systems are built using a number of parts
2		-To recognise the role of computer systems in our lives	<ul style="list-style-type: none"> -I can explain the benefits of a given computer system - I can identify tasks that are managed by computer systems - I can identify the human elements of a computer system
3		-To experiment with search engines	<ul style="list-style-type: none"> -I can compare results from different search engines - I can make use of a web search to find specific information - - I can refine my web search
4		-To describe how search engines select results	<ul style="list-style-type: none"> -I can explain why we need tools to find things online - - I can recognise the role of web crawlers in creating an index - I can relate a search term to the search engine's index

