

Year 4 Progression in Computing

Unit 1- Computing Systems	Unit 2- Creating Media	Unit 3- Programming A	Unit 4- Data and Information	Unit 5- Creating Media	Unit 6- Programming B	Touch Typing
<ul style="list-style-type: none"> ● I know how to evaluate online content to decide how honest, accurate, or reliable it is. ● I know about copyright and the rules to protect content 	<ul style="list-style-type: none"> ● I know how to use input and output devices to record sound. ● I know how to edit recordings using Audacity. 	<ul style="list-style-type: none"> ● I know how to use Logo to create count-controlled loops 	<ul style="list-style-type: none"> ● I know how to use a data logger to capture data. ● I know how to use tables and graphs to interpret data collected using a data logger 	<ul style="list-style-type: none"> ● I know how to change and edit digital images 	<ul style="list-style-type: none"> ● I know how to use Scratch to create infinite and count-controlled loops 	<ul style="list-style-type: none"> ● I know how to touch type
<ul style="list-style-type: none"> ● I will know how networks physically connect to other networks ● I will know how networked devices make up the internet ● I will know how websites can be shared via the World Wide Web (WWW) ● I will know how content can be added and accessed on the World Wide Web (WWW) ● I will know how the content of the WWW is created by people ● I will know the consequences of unreliable content 	<ul style="list-style-type: none"> ● I will know how to identify that sound can be recorded ● I will know how to explain that audio recordings can be edited ● I will know how to recognise the different parts of creating a podcast project ● I will know to identify the need to work consistently and carefully ● I will know how to apply audio editing skills independently ● I will know to evaluate the impact of adding other 	<ul style="list-style-type: none"> ● I will know how to identify that accuracy in programming is important ● I will know how to create a program in a text-based language ● I will know how to explain what 'repeat' means ● I will know how to modify a count-controlled loop to produce a given outcome ● I will know how to decompose a task into small steps ● I will know how to create a program that uses 	<ul style="list-style-type: none"> ● I will know how to explain that data gathered over time can be used to answer questions ● I will know how to use a digital device to collect data automatically ● I will know how to explain that a data logger collects 'data points' from sensors over time ● I will know how to recognise how a computer can help us analyse data ● I will know how to identify the data needed to answer questions 	<ul style="list-style-type: none"> ● I will know how to explain that the composition of digital images can be changed ● I will know how to explain that colours can be changed in digital images ● I will know how to explain how cloning can be used in photo editing ● I will know how to explain that images can be combined ● I will know how to combine images for a purpose ● I will know how to evaluate how changes can improve an image 	<ul style="list-style-type: none"> ● I will know how to develop the use of count-controlled loops in a different programming environment ● I will know how to explain that in programming there are infinite loops and count-controlled loops ● I will know how to develop a design that includes two or more loops which run at the same time ● I will know how to modify an infinite loop in a given program 	<ul style="list-style-type: none"> ● I will know how to touch type ● I will know the position and arrangement of keys ● I will know the function and use of different keys ● I will know the optimal hand, fingers and body position to reduce risk of RSI ● I will know how to accurately type ● I will know how to increase the pace of typing

	media to an animation	count-controlled loops to produce a given outcome	<ul style="list-style-type: none">• I will know how to use data from sensors to answer questions		<ul style="list-style-type: none">• I will know how to design a project that includes repetition• I will know how to create a project that includes repetition	
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