

Curriculum Map: **Computing****Year 3**

Below outlines the learning focus for each term

Term	Learning Focus		Conceptual Development
	Knowledge	Skills	
Autumn 1	<p>Computer Science</p> <p>To understand that code can be made to execute in a particular order called a sequence.</p> <p>To understand that computers need to receive information to work</p> <p>To understand that input devices put digital information into the computer</p> <p>To understand that information sent out of the computer is called an output</p>	<p>To code a sequence of commands</p> <p>To use a timer event to control a sequence</p> <p>To create an animated scene</p> <p>To program a set of traffic lights</p> <p>To identify input and output devices</p>	<p>Build upon:</p> <p>To program buttons to control other objects (button click events)</p> <p>Prepare for:</p> <p>To create simple keyboard and mouse games that use selection (if statements)</p>
Autumn 2	<p>Information Technology</p> <p>To understand that MS Publisher is a desktop publishing program</p>	<p>To insert and format shapes and lines</p> <p>To group shapes and lines</p> <p>To insert and format wordart</p> <p>To insert and format text by using text boxes</p> <p>To create a digital event flyer, menu and holiday card</p>	<p>Build upon:</p> <p>To recreate famous artists' paintings in MS Paint</p> <p>Prepare for:</p> <p>To create a stop motion animation clip</p>
Spring	<p>Computer Science</p> <p>To understand that 'if statements' select different pieces of code to execute depending on what happens to other objects (selection)</p>	<p>To use a conditional event to program an object (selection)</p> <p>To use a conditional event to program more than one object at a time (selection)</p> <p>To create a maze game</p> <p>To debug code</p>	<p>Build upon:</p> <p>To code a sequence of commands to create simple animations and simulations</p> <p>Prepare for:</p> <p>To create simple scoring games using variables</p>
Summer 1	<p>Information Technology</p> <p>To understand that MS Word can be used to type and compose text</p> <p>To understand how a search engine works</p> <p>Computer Science</p> <p>To understand how a search engine works</p>	<p>To type using two hands</p> <p>To select text in different ways</p> <p>To use <ctrl> keyboard shortcuts</p> <p>To align text</p> <p>To use bullet points</p> <p>To insert images by using text wrapping</p> <p>To use a child appropriate search engine to research a specific topic</p>	<p>Build upon:</p> <p>To type, select and format text in MS Word to create a fact file</p> <p>Prepare for:</p> <p>To create a digital recipe using effective formatting in MS Word</p>

		<p>To identify how word order affects search results</p> <p>To evaluate digital content (websites)</p>	
Summer 2	<p>Information Technology</p> <p>To understand that MS PowerPoint can be used to digital branching quizzes</p>	<p>To create a plan for a digital quiz</p> <p>To insert new slides</p> <p>To insert and format text boxes</p> <p>To work with two different programs</p> <p>To insert hyperlinks that link to other slides</p> <p>To insert hyperlinks that link to web pages</p> <p>To peer assess a digital branching quiz</p>	<p>Build upon:</p> <p>To create a digital presentation in MS PowerPoint.</p> <p>Prepare for:</p> <p>To insert data into MS Excel to create a spreadsheet about a sports competition</p>
Online Safety Lessons (1 per half term)	<p>Digital Literacy</p> <p>To know what cyberbullying is and how to address it</p> <p>To understand how websites use digital footprints to target advertising</p> <p>To understand privacy settings</p> <p>To discuss emails as a form of communication</p> <p>To explore different ways children can communicate online</p> <p>To discuss positive and negative aspects of online communication</p>	<p>To recognise cyberbullying and identify a safe person to tell if I encounter cyberbullying</p> <p>To identify adverts online</p> <p>To create strong passwords and explain why strong passwords are important</p> <p>To identify an email or message that I should not open</p> <p>To identify online communities I am a part of</p> <p>To identify forms of online communication</p>	<p>Build upon:</p> <p>To understand that the information I put online leaves a digital footprint.</p> <p>Prepare for:</p> <p>To understand what digital citizenship is</p>