
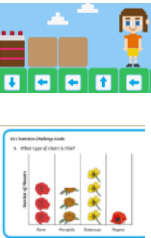

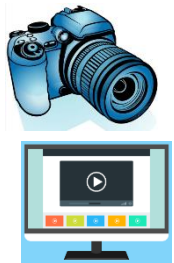
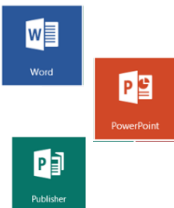







Computing Long Term Scheme of Work

Phase 2	Core and Extended	2023/24	2024/25	2025/26
Autumn 	Technology around us – Recognising technology in school and using it responsibly Digital painting – Choosing appropriate tools in a program to create art, and making comparisons with working non-digitally.	Recognise – System, use in school and simple software. Save/retrieve Online Safety Colour – Explore 2Simple suite and recreate on paper	Recognise – System, use in the local community and responsible use. Save/retrieve Online Safety Colour – Introduction to PowerPoint	Recognise – System, use at home and responsible use. Save/retrieve Online Safety Colour – Introduction to Paint
Spring 	Moving a robot – Writing short algorithms and programs for floor robots, and predicting outcomes. Grouping Data – Exploring object labels, then using them to sort and group objects by properties.	Command it – Write commands, predict and test Beebots Data – Bugs! Find bugs, create pictograms and collect data.	Command it – Write commands, predict and test instructions for humans. Data – Games, create simple graphs and collect data for favourite games.	Command it – Command, predict and test instructions for Spheros Data – Movies, create tally charts and pictograms for favourite movies
Summer 	Digital writing – Using a computer to create and format text, before comparing to writing non-digitally. Programming animations – Designing and programming the movement of a character on screen to tell stories.	Writing – Design your own bug. Programming – https://www.kidlocoding.com/ Getting started & Sequences Intro to Scratch jr	Writing – Design your own video game. Programming – https://www.kidlocoding.com/ Getting started & Sequences Intro to Scratch jr	Writing – Design your own movie. Programming – https://www.kidlocoding.com/ Getting started & Sequences Intro to Scratch jr

Computing Long Term Scheme of Work

Phase 3	Core and extended	2023/24	2024/25	2025/26
Autumn 	The internet – Explore the internet, locating information and using it to create end products. Creating media – Basic photography, image editing and videos skills	Search & research – Locate information, create an information leaflet (Publisher skills). Photography – Use of digital camera, photos, collages, displays	Search & research – Search and locate information, create poster (Word skills). Image editing – Use of images, remove background tool (PowerPoint) adding beards/glasses etc.	Search & research – Locate information, create a presentation PowerPoint. Video editing – Use of images and video in Movie Maker. Simple skills and transitions.
Spring 	Office Suite – Utilising the MS Office suite to help create a range of quality end products	Present – PowerPoint – A wide range of features (slides, transitions, animations, effects) Create a presentation based on hobbies and interests	Write – MS Word – A wide range of features (page design and layout, adding images, saving/retrieving,	Publish – MS Publisher – A wide range of features (page design and layout, adding images, saving/retrieving,
Summer 	Design – Planning and creating, following plans and creating end products. Program writing and Debugging – Building on prior knowledge students will develop programming skills in a variety of ways including kidlocoding.com	Writing – Design your own bug / alien. Programming – https://www.kidlocoding.com/ Sequences, Loops & Debugging	Writing – Design your own video game. Programming – https://www.kidlocoding.com/ Sequences, Loops & Debugging	Writing – Design your own movie. Programming – https://www.kidlocoding.com/ Sequences, Loops & Debugging




Computing Long Term Scheme of Work

Phase 4	Core and extended	2023/24	2024/25	2025/26
Autumn  	<p>The internet & emails – Use a range of internet services and sites to gather information and develop knowledge. Sending receiving messages, attachments & contacts.</p> <p>Creating media – Photography, images and videos. Students develop skills using a range of software to produce quality end products.</p>	<p>Search & research – Locate information, Google Maps and emails.</p> <p>Photography – Use of digital camera, photos, angles, lighting, image effects (B&W etc).</p>	<p>Search & research – Locate information, simulators and emails.</p> <p>Image editing – Use of images, online image editing software (BeFunky, Pixlr, Canva, etc).</p>	<p>Search & research – Locate information, create a presentation PowerPoint, emails.</p> <p>Video editing – Use of images and video in Movie Maker. complex skills, animations and transitions.</p>
Spring 	<p>Diagrams / instructions / Resources – Students develop a wide range of skills designed to upskill their knowledge when using a range of software to complete familiar tasks.</p>	<p>Bugs! – Find bugs, collect data, create a 'find, select and sort' diagram.</p> <p>Scratch – Create a simple 'Bug' game</p>	<p>Games – Create a board / online game Plan, resource, create, write instructions, play.</p>	<p>Movies – Create a short movie Plan, resource, create, edit, show. Create movie posters / adverts.</p>
Summer 	<p>Understand logical reasoning – Design, write and debug programs that accomplish specific goals Use sequence, selection, and repetition in programs Use logical reasoning to explain how some simple algorithms work and to</p>	<p>Programming – Minecraft Education – Explore the basics of coding through Minecraft worlds.</p>	<p>Programming – Kodu – Landscapes, Kodu, enemies and racing – simple programs to control</p>	<p>Programming – Scratch – Jokes, talks and chasing folks (enemies). Repeats, timings and point towards. Amazing mazes cause and effect. Maze making, character control.</p>

Computing Long Term Scheme of Work

	detect and correct errors in algorithms and programs			
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Computing Long Term Scheme of Work

Phase 5	Core and extended	2023/24	2024/25	2025/26
Autumn 	Creating media – Photography, images and videos. Students develop skills using a range of software to produce quality end products.	Image editing – Photoshop / PowerPoint – Create a comic through comic life.	Video editing – Premiere Pro – basic skills Create a documentary.	Photography – Camera use, upload/save, Intro to Photoshop – create a magazine cover.
Spring 	The internet v the WWW – Students will recognise the difference between the internet and the world wide web. Look at online software, research, info gathering and create a wide range of quality end products using a range of new & familiar software.	Search & research – Internet / WWW / Online Safety	Search & research – Internet / WWW / Online Safety	Search & research – Internet / WWW / Online Safety
Summer 	Programming – Look at a wide range of programming skills aimed to develop an understanding of programming across a range of different platforms.	Programming – Minecraft – Explore coding through online worlds and increasingly complex challenges	Programming – Kodu – Complex scripts, gaming and missiles	Programming – Online coding (Blockly, etc)