

Boughton-under-Blean and Dunkirk MPS Computing Curriculum Overview

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 1	Typing skills 2Type upper and lower case space bar return key shift key for capital letter printing using Print icon	We are TV Chefs 1.2 iPads iMovie Technology around us- (school/home and work place) Day in your life technology we meet.	We are celebrating 1.6 2 Paint a Picture Paint Projects Purple Mash	Illustrating an - book 1.3 Animation Plant cycle (2 Animate) Animate a fairy tale Lego Movie Maker APP Take photos of plants stages	We are Story Tellers 1.5 Photostory 3 (Poem, how plants grow) Powerpoint 2Create a Story	We are treasure hunters 1.1 Beebots Beebot App Daisy The Dinosaur APP <u>What is code?</u>
Year 2	We are photographers 2.3 Pic Collage App Photo Simple Editing in Photostory 3	Typing skills changing font and style changing font colour printing using print icon adding simple pictures with support. Letter to Father Christmas?	We are Zoologists 2.6 <u>Sorting Games</u> <u>Purple Mash</u> 2 Count (IVT) Take own photos download and produce graphs. 2 Graph based on survey Simple Graph in	We are Researchers 2.4 2Connect to note take and present Microsoft word skills and poster on Leeds Castle. Different size of storage (Mb.GB etc)	We are Astronauts 2.1 <u>What is an Algorithm?</u> <u>What is a bug?</u> Scratch Junior App 2 Code Chimp (First few) + Lego Wedo (control and simulating)	We are Game Testers 2.2 Create a 3D Maze Game-Purple Mash Scratch Tell a joke (basic movements)

				Creating folders to organise information.	Glowing snail and Cooling fan.	
Year 3	<p>Touch typing (3 weeks)</p> <p>Word processing- selecting text and changing font style, size and colour. Use bold and underline icons.</p>	<p>We are communicators 3.5 Email DB Primary How email works</p> <p>Word processing- poster to attach to e-mail. Links to Romans. Adding text boxes and arrows. Adding a title. Adding an image.</p>	<p>We are Opinion Pollstars 3.6 Look at surveys in the real world. What kind of questions? Create a survey using DB Primary Look at a range of graphs. Use survey results to create graphs.</p> <p>Excel to input basic data and create small graph.</p>	<p>We are Programmers 3.1 Scratch 2Code- Chimp level</p>	<p>Animation stop Frame Animation ZU3D</p>	<p>Programming 2Code Chimp Bug fixing Logic Bug Scratch bug fixing one idea from 3.2</p> <p>LegoWedo - Moving satellite and Spy Robot 2 weeks on each (half class)</p>
Year 4	<p>We are musicians 4.3 2 Simple Music Toolkit Garage Band App Jelly Band App Isle of Tune</p>	<p>Repeating patterns Frozen Hour of code Scratch</p> <p>Repeating patterns in 2 Paint a Picture.</p>	<p>Controlling and Simulating Lego Wedo Milo projects (A,B and C)</p> <p>Touch typing (other children)</p>	<p>We are meteorologists 4.6 Excel Graphs</p>	<p>We are co-authors 4.5 Welcome to the Web Wikis DB Primary</p>	<p>Databases Your Move (refining searching) 2Investigate Create results find possible errors. Interrogate data. Maybe use Greenfield Road or Census Data Who Dunnit?</p>

		Refer to 5.3 we are artists for ideas.				
Year 5	<p>We are Bloggers 5.5 DB Primary (3 weeks)</p> <p>E-mail as collaboration tool, sending pictures as attachments, sending e-mails to more than one person, forwarding to other people.</p>	<p>How search engines work Bing it on PowerPoint</p> <p>Control and Simulating Lego Wedo Moonbase project</p>	<p>We are Game developers 5.1. 2 DIY Purple Mash Scratch/Kodu</p>	<p>We are Architechs 5.6 Ikea/homebase Google Sketchup Plan your room Minecraft hour of code</p>	<p>Spreadsheets Junior Computer Science</p>	<p>How networks and search works. Internet v WWW Technician talk Adapt 3.4 we are network engineers. Tour of school Web tracer Google Data Centre Route search takes Peter Packet (3 Lessons)</p>
Year 6	<p>2 Code- Gibbon level Star Wars Java</p>	<p>Reality of the WWW Plagiarism Copyright Bias Validity All About Explorers , Tree Octopus , Dog island , AlleyK@tz</p>	<p>We are Animators Dr Who Harry Potter Studio Tour Animation / Green screen animation ZU3D</p>	SATS	Lego Wedo	<p>Multimedia Tour of the School Memories of BUB PowerPoint/MovieMaker/ Photostory/Audacity ZU3D IPAD apps etc</p>

		Flying Penguins				
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DL

Online Safeguarding

Cyber bullying

Grooming

Plagiarism

Copyright

Digital footprint

Keeping personal info Safe

Netiquette

Passwords

Recognise different uses of technology

Safe Searching

Refining searching

Age restrictions to protect us

Websites can contain fact, opinion and bias

Validity of websites

Misuse of WWW (viruses, scams etc)

Problems with apps (additional costs, adverts etc)

IT

Typing skills

Create folders to organise files

Understand how information is stored in different files and in different places

Basic skills (editing text, printing and saving)

Desktop Publishing (Word, posters etc)

Multimedia (adding sounds, images, hyperlinks etc)

Editing video, images and sound

Animation

3D Modelling (Google Sketch up, designing a Kitchen online)

Green Screening (Optional)

Spreadsheets

Databases

Branching Databases

Creating Graphs

Data logging