

Whole School Computing Overview

Class	Year A	Year B
Holly	Computer Science	Computer Science
Berries	Understand simple algorithms. Create simple	Use logical reasoning to predict the behaviour
Derries	programs e.g. Beebot.	of simple programs - Scratch
	Word Processing	Word Processing
		IT Database
	Digital Literacy SWGFL	Branching database/database sorting and
	Keeping safe online.	identifying animals.
	Keeping personal information private	Digital Literacy SWGFL Staying safe online
		Cyberbullying
Chestnut	Computer Science	Computer Science
	Design programs that accomplish specific goals – Scratch.	Design programs that accomplish specific goals – Scratch.
	Word Processing	Word Processing
	IT Data Collection	IT Presentation
	Surveys. Graphs, reports etc	Linked to a topic (Power Point)
	Digital Literacy SWGFL	Digital Literacy SWGFL
	Powerful passwords/storing safely.	Showing respect online.
	Communicating online safely and responsibly.	Safe Internet searches (topic related).
Maple	Computer Science	Computer Science
mapic	Solving problems by decomposing them into	Use selection in programs; Work with
	smaller parts; Use logical reasoning to detect	variables; Use logical reasoning to explain
	and correct errors in algorithms. STEM	how some simple algorithms work. Scratch
	Word Processing	Word Processing
	п	п
	Understand the opportunities computer	Combine a variety of software to accomplish
	networks offer for collaboration.	given goals and select, use and combine
	Questionnaires using Google forms.	software – topic related.
	Digital Literacy	Digital Literacy
	Appreciate how search results are ranked –	Being discerning with digital content –
	topic related.	challenging stereotypes.
	Cyberbullying	

Holly Berries		
Year A	Year B	
Computer Science Understand simple algorithms. Create simple programs e.g. Beebot.	Computer Science Use logical reasoning to predict the behaviour of simple programs - Scratch	
Word Processing	Word Processing	
Digital Literacy SWGFL Keeping safe online. Keeping personal information private	IT Database Branching database/database sorting and identifying animals. Digital Literacy SWGFL Staying safe online	
	Cyberbullying	
Know Children should be taught to:	ledge	
 Understand what algorithms are; how they and that programs execute by following pr Create and debug simple programs. Use logical reasoning to predict the behavi Use technology purposefully to create, org content. Recognise common uses of information ter Use technology safely and respectfully; kee 	our of simple programs. anise, store, manipulate and retrieve digital	
Ski	ills	
 Coding Control motion by specifying the number of steps to travel, direction and turn. Add text strings, show and hide objects and change the features of an object. Select sounds and control when they are heard, their duration and volume. Control when drawings appear and set the pen colour, size and shape. Specify user inputs, such as clicks, to control events. Create conditions for actions by waiting for a user input. 	 Word Processing Move pre-written blocks of text round the screen. Basic keyboard familiarity, entering text in the correct order. Response to mouse/keyboard and monitor. Print text using the most basic print option. Word wrap at the end of the line (not pressing enter). Be aware of how to achieve upper case letters (using CAPS lock initially then the shift key). Know that text can be saved and retrieved. Understand how to enter and save work. Change font size and colour and centre text. Edit in screen using the cursor key. Develop basic editing skills – delete and insert. 	

 Digital Literacy Understand online risks and the age rules for sites. Understand the strategies that can be used to keep themselves safe when online. 	 Multimedia Move graphics around a screen (drag and drop). Add text to graphics (label and classify). Be aware that graphics and text can be saved, retrieved and printed out as a single piece of work.
Collection Use simple databases to record information in areas across the curriculum.	

Chestnut		
Year A	Year B	
Computer Science Design programs that accomplish specific goals – Scratch.	Computer Science Design programs that accomplish specific goals – Scratch.	
Word Processing	Word Processing	
IT Data Collection Surveys. Graphs, reports etc	IT Presentation Linked to a topic (Power Point)	
Digital Literacy SWGFL Powerful passwords/storing safely. Communicating online safely and responsibly.	Digital Literacy SWGFL Showing respect online. Safe Internet searches (topic related).	
Кпом	/ledge	
 and output. Use logical reasoning to explain how simple algalgorithms and programs. Understand computer networks including the as the worldwide web; and the opportunities t Use search technologies effectively, appreciatidiscerning about digital content. Select, use and combine a variety of software to design and create a range of programs, syst collecting, analysing, evaluating and presenting 	sibly; recognise acceptable/unacceptable behaviour;	
	ills	
 Coding Use specified screen coordinates to control movements. Set the appearance of objects and create sequences of changes. Create and edit sounds. Control when they are heard, their volume and duration and rests. Control the shade of pens. Specific conditions to trigger events. 	 Word Processing Understand the use of scroll bars, arrow keys and word wrapping. Import a single graphics image and add text to print out as a whole piece of work. Use Word Art features. Load, retrieve and save work independtly to own folder. Justify/align text as appropriate. Delete words using backspace. Make use of simple spell checking facilities. 	

contact.

Maple		
Year A	Year B	
Computer Science Solving problems by decomposing them into smaller parts; Use logical reasoning to detect and correct errors in algorithms. STEM	Computer Science Use selection in programs; Work with variables; Use logical reasoning to explain how some simple algorithms work. Scratch	
Word Processing	Word Processing	
IT Understand the opportunities computer networks offer for collaboration. Questionnaires using Google forms.	IT Combine a variety of software to accomplish given goals and select, use and combine software – topic related. Power Point.	
Digital Literacy Appreciate how search results are ranked – topic related. Cyberbullying	Digital Literacy Being discerning with digital content – challenging stereotypes. Understanding copyright.	
Кпоw	ledge	
 and output. Use logical reasoning to explain how simple algalgorithms and programs. Understand computer networks including the last the worldwide web; and the opportunities the Use search technologies effectively, appreciating discerning about digital content. Select, use and combine a variety of software (to design and create a range of programs, systec collecting, analysing, evaluating and presenting. Use technology safely, respectfully and responsidentify a range of ways to report concerns about 	rams; work with variables and various forms of input gorithms work and to detect and correct errors in Internet; how they can provide multiple services, such hat they offer for communication and collaboration. ng how results are selected and ranked, and be including Internet services) on a range of digital devices ems and content that accomplish given goals, including g data and information. sibly; recognise acceptable/unacceptable behaviour;	
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 Coding Set IF coordinates for movement. Specify types of rotation giving the number of degrees. Change the position of objects between screen layers (send to back, bring to front). Upload sounds from a file and edit them. Add effects such as fade in and out and then control their implementation. Combine the use of pens with movement to create interesting effects. Set events to control other events by 'broadcasting' information as a trigger. 	 Word Processing Develop more advanced spell checking skills to include search facility. Combine two or more graphics images (including tables) and text boxes to produce a more complex piece of work. Use print preview. Understand the use of tabs, margins, overwrite and indent as appropriate. Alter page layout (portrait/landscape). Alter page size and be aware of whole page view. Use bold text to highlight a statement. 	

 Use a list to create a set of variables. 	 Cut and paste between applications.
 Digital Literacy Use search engines effectively to locate information. Understand how search results are ranked. Use online tools effectively, such as Google forms. Understand how to use online tools safely, respectfully and responsibly. Have strategies in place in case they come into contact with concerning content or contacts. To understand copyright rules and what they mean in terms of Internet use. 	 Multimedia Plan layout on a multimedia presentation. Link screens together using html links or buttons. Use a range of transition effects (Power Point) to move between screens.