

Highlight by topic

Year A Autumn - Tudors

Year A Spring – Around The World

Year A Summer – Think Local, Act Global

Highlight by topic

Year B Autumn – Ancient Egypt

Year B Spring - Splash

Year B Summer – They're Coming...

Year 3 Knowledge, Skills and Understanding breakdown for Computing					
Digital programming	Digital Making	Digital Skills			
Computational thinking:	Presentations/eBooks	Word Processing:			
I can create algorithms for use when programming I can decompose tasks (such as animations) into separate steps to create an algorithm I understand abstraction is focusing on important information I can identify patterns in an algorithm I can use repetition in algorithms Coding: I can design, create and write programs that accomplish specific goals I can use repetition in programs I can work with various forms of input Computer Networks: I understand why computers are networked I understand the difference between the Internet and the World Wide Web (WWW)	I can format text, edit audio and video to create interactive presentations I can create a simple web page. I can create a simple mindmap Animation: I can improve stop motion animation clips with techniques like onion skinning. I can use animation tools in presenting software to create simple animations. Video Creation: I can sequence clips of mixed media in a timeline and record a voiceover I can trim and cut film clips and add titles and transitions I can create my own movie trailer Digital Art: I can confidently take and manipulate photos I can create a digital image using a range of tools, pens, brushes and effects Sound: I can create and edit purposeful compositions using music software to create mood or a certain style I can use live loops to create a song	I can use index fingers on keyboard home keys (f/j), use left fingers for a/s/d/f/g, and use right fingers for h/j/k/l I can edit the style and effect of my text and images to make my document more engaging and eye-catching. I can use formatting tools to improve and organise text. Data Handling: I can create a sorting diagram and complete a data handling activity with it I can start to input simple data into a spreadsheet.			
Challenge					
To begin using simple selection in algorithms	To understand the role of green screen	To create more complex data handling projects.			



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Year 4					
Knowledge, Skills and Understanding breakdown for Computing Digital programming Digital Making Digital Skills					
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_	tional thinking:	Presentations/eBooks:	Word Processing:		
	e abstraction to focus on what's nt in my design	I can create projects that use hyperlinks to increase interactivity	I can combine digital images from different sources, objects, and text to		
-	te increasingly more precise	I can create an eBook with text, images	make a final piece of a a variety of tasks		
	ns for use when programming.	and sound	I can confidently and regularly use text		
_	e simple selection in algorithms	I can create a digital mindmap and in-	shortcuts to organise text		
	e logical reasoning to detect and errors in programs	clude different media - sound and video	I can use font sizes appropriately for audience and purpose.		
		Animation:	I can use spell check and thesaurus		
Coding:		I can make multiple animations and	including through Siri and other Al		
	e simple selection in programs	edit them together for a longer video.	technology		
	rk with various forms of output	I can use line draw tool to create ani-	Data Handling:		
	e logical reasoning to systemati-	mations.	I can create my own online multiple		
grams	ect and correct errors in pro-	Video Creation:	choice questionnaire.		
Branns		I can add transitions, music and sound	I can input data into a spreadsheet and		
Compute	er Networks :	effects to my films	export the data in a variety of ways		
I underst	tand that servers on the Inter- ocated across the planet	I can add simple subtitles to a video clip.	I understand how data is collected.		
I underst	tand how email is sent across rnet	I can use green screen adding animated backgrounds.			
I underst us to coll	tand how the Internet enables laborate	Digital Art:			
		I can enhance digital images and photo-			
		graphs			
		I can manipulate shapes to create digital art.			
		Sound:			
		Edit sound effects for a purpose.			
		Create a simple four chord song follow-			
		ing the correct rhythm.			
		I can record a radio broadcast or audiobook.			
Challenge					
	egin introducing variables into	Combine medias to demonstrate their	Start expanding the number of formu-		
	eir work	learning	lae they can explore		
Year 4					
4					



Highlight by topic

Year A Autumn - The Blitz

Year A Spring – Out Of This World

Year A Summer – Bristol

Highlight by topic

Year B Autumn – Eureka!

Year B Spring - On the Latin Side

Year B Summer – British Greats

Year 5 Knowledge, Skills and Understanding breakdown for Computing				
Digital programming	Digital Making	Digital Skills		
Computational thinking: It can solve problems by decomposing them into smaller parts It can recognise the need for conditions in repetition within algorithms It can use logical reasoning to detect and correct errors in algorithms It can evaluate my work and identify errors Coding: It can use selection in programs It can use conditions in repetition commands It can use conditions in repetition or simulate physical systems It can create programs that control or simulate physical systems It can evaluate my work and identify errors Computer Networks: It understand how we view web pages on the Internet It use search technologies effectively It know how pages are ranked in a search tengine	Presentations/eBooks: I can collaborate with peers using presentation tools I can create and export an interactive presentation including a variety of media, animations, transitions and other effects I can create an interactive guide to a image by embedding digital content Animation: I can combine different animations to create a scene like an interview. I can add green screen effects to a stop motion animation Video Creation: I can use cutaway and split screen tools in a movie. I can evaluate the best video tools to best explain my understanding I can further improve green screen clips using crop and resize and explore more creative ways to use the tool Digital Art: I can make a digital photo using camera settings I can enhance digital photos and images using a variety of tools I can link and explain how to Photoshop images and how this is used in the media Sound: I can add voice over to images. Create a remix of a popular song	Word Processing: I can start to apply hyperlinks I can import sounds to accompany and enhance the text in my document I can organise and reorganise text on screen to suit a purpose Data Handling: I can create an online questionnaire and analyse the results I can use simple formulae to solve calculations including =sum and other statistical functions I can edit and format different cells in spreadsheet.		
	Challenge			
Evalore procedures within pro	Challenge Develop their own musical composi-	Make links with learning in maths		
Explore procedures within programming	Develop their own musical composition	Make links with learning in maths		



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	Year 6		
Knowledge, Skills and Understanding breakdown for Comp			
Digital programming	Digital Making		
ional thinking	Brosontations /oPooks:	Mord Proce	

Computational thinking:

I can recognise, and make use, of patterns across programming projects I can write precise algorithms for use when programming

I can identify variables needed and their use in selection and repetition

I can decompose code into sections for effective debugging

I can critically evaluate my work and suggest improvements

Coding:

I can use a range of sequence, selection and repetition commands combined with variables as required to implement my design

I can create procedures to hide complexity in programs

I can critically evaluate my work and suggest improvements

Computer Networks:

I understand what HTML is and recognize HTML tags

I know a range of HTML tags and can remix a web page

I can create a webpage using HTML

Presentations/eBooks:

I can design an app prototype that links multimedia pages together with hyperlinks

I can choose applications to communicate to a specific audience.

I can evaluate my own content and consider ways to improvements.

Animation:

I can mix animations and videos recordings of myself to create video interviews.

I can plan, script and create a 3D animation to explain a concept or tell a story.

I can choose and create different types of animations to best explain my learning

Video Creation:

I can use the green screen masking tool with more than one character.

I can create videos using a range of media - green screen, animations, film and image to further enhance my creation

Digital Art:

I can edit a picture to remove items, add backgrounds, merge 2 photos I can evaluate and discuss images I can use a 3D drawing app to create a realistic representation of world objects

Sound:

I can edit sound clips to use in a film or radio broadcast (podcast)

I can compose a soundtrack that can be added to a film project.

Word Processing:

I can confidently choose the best application to demonstrate my learning.
I can format text to suit a purpose.

Digital Skills

Data Handling:

I can write spreadsheet formula to solve more challenging maths problems I can create and publish my own online quiz with a range of media (images and video)

Challenge

To apply knowledge to a wider range of physical outputs

Year 6

To bring together multiple technologies to combine them and achieve a goal.

Use wider multimedia within their quiz.