Year 4 – Computing

Learning to be a Computer Scientist	Learning to be a Creator	Learning to be SMART – E-safety
Cs1 - I can explain how simple algorithms work and	Cr1 - I can keep my files organised with relevant	Es1 - I can create a secure password using capital
spot errors by extensively testing.	filenames.	letters, numbers and symbols.
Cs2 - I can create and debug an algorithm using the	Cr2 - I can edit and enhance images and text to make	Es2 - I can understand what is meant by spam and
move, rotate and repeat commands with the intention	them more presentable.	how we should protect ourselves from it.
of meeting a specific goal.		
Cs3 - I can create and use variables to store relevant	Cr3 - I can create a document/ presentation including	Es3 - I can explain what to do if I am worried online
information.	images, word art etc.	and know about CEOPS.
Cs4 - I can create a procedure to draw regular	Cr4 - I can arrange and layer objects including titles	Es4 - I can explain the SMART rules and give
polygons or patterns using the skills of sequence,	and backgrounds	examples for each situations.
selection and repetition.		
Cs5 - I can apply my knowledge regarding accurate	Cr5 - I can use a search engine to find relevant and	Es5 - I can understand what it means to be a good
instructions to ensure algorithms function properly	reliable information using key search words e.g. "" and	digital citizen.
	NOT/	
	Cr6 - I can use hyperlinks in my work to reference a	Es6 - I can understand what it meant by plagiarism and
	reliable/saved page.	the consequences of plagiarising
	Cr7 - I can create and edit video footage and add titles,	
	audio/soundtracks and transitions to make it	
	presentable.	
	Cr8 - I can collect, analyse and present data	
	accurately.	
	Cr9 - I can use timing on a presentation.	

Year 4 Topic Coverage

<u>Year 4 Topic Coverage</u>									
<u>Autumn 1</u>	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2				
Cr1, Cr2, Cr3, Cr4	Cr1, Cr3, Cr4, Cr5, Cr6, Cr9,	Cs1, Cs2, Cs3, Cs4, Cs5	Cr1, Cr7	Cr5	Cr8,				
Es1, Es2, Es3, Es4, Es5	, Es6								
		<u>Vocal</u>	<u>bulary</u>						
Edit, Enhance, Layout,	Accuracy, Filter,	Accessed, Block,	Audience, Audio,	Accuracy, Filter,	Audience, Bar chart,				
Manipulate, Order,	Hyperlink, Improve,	Complex,	Credits, Cut, Edit,	Improve, Keywords,	Excel, Pictogram, Pie				
Organised, Photoshop,	Keywords, Layout,	Decomposition, Else,	Export, Impact, Import	Shortcuts	chart, Present,				
PicCollage,	Order, Organised,	Error, Function, If,	Insert, Layers, Mask,		Relevance, Selection				
Presentable, Relevant,	Presentable, Pre-set,	Manageable, Problem,	Organised, Raw		Transfer and the second of the				
Reliable, Structure,	Relevant, Research,	Solving, Procedure,	footage, Relevant,						
Techniques,	Shortcuts, Slide,	Repetition, Retrieve,	Selection, Special						
Trustworthy, Unique	Sources, Structure,	Selection, Specific,	Effect, Tracks,						
Trustworthy, Offique	Techniques, Timings,	Storage, Then, Unique,	Transitions, Trim,						
	Transitions, Unique	Variable	Unique						
A 4				Facebook 594 m Hadron					
	sements, Author, Authorisat								
	sleading, Permission, Plagi	arism, Protected, Reliable,	Sare, Secure, Social Med	ila, Spam, Special Charact	ers, Tell, TIKTOK, Truste				
adult, Unwanted, Viruses	,								
			earn						
	That you can name a file	How to read through algorithms	That you can name a file	That search engines have	That data can be presented				
anything.	That you can name a file anything. That files should have relevant	How to read through algorithms line by line.		keywords to help them to search.	That data can be presented using lots of different program				
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That hyperlinks can be used to show where you found your information/research.	That selection allows an algorithm to make decisions or return different results.		
That presentations can be given timings to do different things. How to set timings on a presentation.	How to apply all of the skills I have learned to create more complex algorithms.		

That longer passwords with capitals, numbers and symbols are harder to guess.

That passwords using these are harder to guess for hackers.

That spam is a term for unwanted emails and messages.

That spam can be and should be blocked.

That spam can sometimes have viruses or misleading information.

That you should go to a trusted adult if you have problems on the internet.

That if you can't find a trusted adult you can go to CEOPs.

That S stands for safe, M stands for meet, A stands for accept, R stands for Reliable and T stands for tell. How to apply these rules to real-life situations.

That by using the internet you are a digital citizen.

That to be a good digital citizen means to be kind online and use the SMART rules to guide your online actions.

That by being a bad digital citizen we can cause problems that have real-life consequences.

That information on the internet is owned by people.

That even though information on the internet can be used to learn and give ideas, it can't be directly copied.

That copying information without permission is called plagiarism.

That plagiarism can your work disallowed or serious trouble with the law for adults.