

Discreet Computing skills based curriculum overview 2017-2018

The national curriculum for computing aims to ensure that all pupils:

- ☞ can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- ☞ can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- ☞ can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- ☞ are responsible, competent, confident and creative users of information and communication technology.

Term	Aut1 (7wk)	Aut2 (7wk)	Spr1 (7wk)- (wk6 Safer Internet)	Spr2(4wk)	Summer 1 (7wk)	Summer 2 (7wk)	Throughout Academic Year
	Online Safety / IT	Computer science (networks and algorithms)	Data Handling Multimedia	Information Technology Multimedia	Computer Science Multimedia	Computer Science Multimedia	
Year3/4	<p>Creating year group folders to organise / save work into Creating/discussing AUP's & e-safety</p> <p>Mastered/embedded though It's all Greek to me</p> <p>Presenting information from research in own words, (SPECIFIC TO A PARTICULAR AREA OF GREEKS) using the spellchecker (<i>plagiarism</i>)</p> <p>Presenting information in Clicker Boards & books & Docs</p>	<p>Mastered/embedded through come and join the celebration</p> <p>Algorithms – flowcharts Scratch – BASICS (repeat command)</p>	<p>Mastered/embedded through out of the box</p> <p>Questionnaires likes/dislikes/ gaps in the market. Simple graphs on Purple Mash or similar</p> <p>Introduce Excel to create more detailed graphs and charts</p>	<p>Mastered/embedded through lets wal the timeline: 'Ug'! (stone age to Celts)</p> <p>Publisher – create themed resources Stone Age and Bronze Age (ie. Tri-fold/ leaflet etc.) Develop Word Processing Skills further on Clicker or Microsoft Word,</p>	<p>Mastered/embedded through Green fingers, May the force be with you/ Safety week w/c May 5th</p> <p>COMPUTER SCIENCE – DIMENSIONS COMPUTING: SCRATCH Inputs and outputs Plan a game with repetition, inputs and selection</p>	<p>Mastered/embedded through Three Giant Steps (locality, UK and Beyond)</p> <p>Text-ease turtle / 2code Write programmes / procedures to make an onscreen turtle move</p> <p>consolidation of skills:</p>	<p>WEEKLY KEYBOARD SKILLS (Busyfingers)</p> <p>E-safety embedded throughout</p> <p>Dedicated e-safety sessions: Term 1- include recapping on AUP's Safety week w/c May 5th Create, Connect and Share Respect</p>
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	Online safety/IT	Computer Science / Multimedia	Data Handling / Multimedia / Computer Science / IT	IT/ Multimedia			
Year5/6	<p>Creating year group folders to organise / save work discussing AUP's & e-safety</p> <p>Mastered/embedded though Abracadabra – The magic of the Stuarts</p> <p>Researching the Internet for good websites (SPECIFIC TO A PARTICULAR AREA OF STUARTS) to use for PP information in own words (<i>plagiarism</i>) in Words & copy/paste web address, using the spellchecker, Checking validity of information on the Internet (facts checked on 3 websites), y6 to link to & reference www websites, Y5 to link to websites. Hyperlink using text, images, buttons</p>	<p>Mastered/embedded though A world of cracking ideas</p> <p><i>Creating a Number bond game in Scratch</i></p>	<p>Mastered/embedded through How does the past effect the present? World war II (pupil voice / location, location, location) that's life</p> <p>Recording, analysing and presenting of data. including spreadsheets with formulas in EXCEL (<i>Life and Living Things in the Environment (Science and Technology)</i>)</p> <p>**Research & Movie maker, voices, sounds, manipulating images, transitions</p> <p>**Microsoft word – using as notepad</p>		<p>Mastered/embedded through Live like an Egyptian (Walk like an Egyptian /) Spaced out / Safety week w/c May 5th</p> <p>Year 6 SATs revision</p> <p>Project based, consolidation of skills: PowerPoint writing an adventure story – using hyperlinks to different slides depending on the 'decisions made/where the decisions take you'. Using sounds, voice recordings and animations</p> <p>5. Coco -3, programming & fault finding on screen 6. Serial boxes – creating circuits, fault finding in circuits & programmes (scratch)</p>	<p>WEEKLY KEYBOARD SKILLS (Busyfingers)</p> <p>E-safety embedded throughout Dedicated e-safety sessions: Term 1- include recapping on AUP's Safety week w/c May 5th Create, Connect and Share Respect</p>	