

ICT - SOW Long term plans by Year group

½ Terms	Year group	Topic	Skills taught plus links to spiritual, moral, social and cultural development
Autumn 1 st ½ Term	Y7	7.1 - Where I Live PowerPoint presentation relating to where students live and information about themselves.	Design skills and appreciation of audience and purpose. Skills relating to use of general office software and image editing techniques. Students will need to evaluate their own and other work and provide appropriate feedback and suggest improvements. Spiritual, Moral, Social And Cultural Development links: C/EURD – see key below SC/PQSS – see key below SP/UICL – see key below
Autumn 2 nd ½ Term		7.2 – Endangered animals Creating an advertising brochure for a charity that looks after endangered animals. This will include information to raise the awareness of a specific animal and to encourage people to donate money to the charity.	Design skills and appreciation of audience and purpose. Skills relating to use of desk top publishing software image manipulation. Students will need to evaluate their own and other work and provide appropriate feedback and suggest improvements. Spiritual, Moral, Social And Cultural Development links: SP/UHFE – see key below SP/DPVB – see key below SC/UCSF – see key below M/UCA – see key below M/MCMV – see key below
Spring 1 st ½ Term		7.3 – Using PC's Safely This is a theoretical unit covering the necessary basic knowledge to use computers safely, effectively and responsibly. Pupils begin by looking at file	Identify hardware and software components that make up a computer system. Using technology safely and responsibly and keeping their online identity safe.

		management and security. The unit then moves on to e-safety (cyber-bullying, phishing etc.), and online profiles to give pupils a better understanding and awareness of using social media.	Spiritual, Moral, Social And Cultural Development links: M/IMVEI – see key below M/MCMV– see key below M/RRWA – see key below M/UCA – see key below
Spring 2nd ½ Term		7.4 – Extreme Sports Modeling data using spreadsheets. The unit is centered around creating a financial model for a TV show. Pupils start by looking at different types of model and then use basic spreadsheet techniques to create and format a simple financial model to calculate income.	Model data using a spread sheet and change variables within it. Students will also need to use appropriate formula/functions where appropriate. Spiritual, Moral, Social And Cultural Development links: M/UCA – see key below
Summer 1st ½ Term		7.5 – Graphics Introduction to graphics and graphic file types. The unit explores how bitmap and vector images are represented and stored by the computer.	Identify how data (including text, sounds and pictures) can be represented and manipulated digitally in the form of binary digits. Design creative projects that include using and combining multiple applications eg video editing, web design and sound manipulation. Create, re-use, revise digital artefacts for a given audience with attention to trustworthiness, design and usability. Spiritual, Moral, Social And Cultural Development links: SP/UICL – see key below
Summer 2nd ½ Term		7.6 – Scratch Computer programming – game design. Introduction to the Scratch programming environment and games design. Students will learn simple programming principles.	Design and evaluate computational abstractions using a programming language. Understand key algorithms for example ones for sorting and searching Understand simple Boolean logic eg AND, OR, NOT and perform simple binary calculations eg ADD and concert

			binary to decimal. Spiritual, Moral, Social And Cultural Development links: SP/UICL – see key below
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Aspect	Area covered	Code
Cultural	Exploring, understanding and respecting diversity	C/EURD
	Participating and responding to cultural activities	C/PRCA
	Understanding and appreciating personal influences	C/UAPI
Moral	Developing and expressing personal views or values	M/DEPV
	Investigating moral values and ethical issues	M/IMVEI
	Recognising right and wrong and applying it	M/MCMV
	Developing personal qualities and using social skills	M/RRWA
Social	Understanding the consequence of actions	M/UCA
	Developing personal qualities and using social skills	SC/PQSS
	Participating, cooperating and resolving conflicts	SC/PCRC
Spiritual	Understanding how communities and societies function	SC/UCSF
	Developing personal values and beliefs	SP/DPVB
	Experiencing fascination, awe and wonder	SP/EFAW
	Exploring the values and beliefs of others	SP/EVBO
	Understanding human feelings and emotions	SP/UHFE
	Using imagination and creativity in learning	SP/UICL