Computing Key Stage 3- Curriculum Map

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
KEY TOPIC **YEAR 7**	An introduction to computing Google: Logging on, introduction to Google Drive & Classroom, folder structure, passwords **Digital Literacy** **Digital Citizenship**	All About Me: Project to showcase who the students are with introduction to basic digital presentation skills. Emphasis on multi device usage (eg mobile phones/iPads) **Digital Literacy IT** Bebras Computational Critical Thinking Competition - UK wide **Computing Science** Staying Safe Online: Bullying & Grooming **Digital Literacy** **Digital Citizenship**	Codeucate, Python & Junior Javascript Introduction to concepts of block coding and high level written coding, **Computing Science**	Eisteddfod/ design an Ad Use multiple apps Focus on target audience Create own document style (font/ colour/ images etc) Editing skills Evaluate software functions Perform searches and evaluate relevance **Digital Literacy IT**	Introducing Scratch software. Basic programming techniques. Design write and test simple programs/ algorithms Identify & debug common errors in simple programs/ algorithms **Computing Science**	Learning about Hardware and Software Awareness of different devices Components of a computer system Operating systems v app software **IT** Evaluate merits of different network types Understand advanced search features to retrieve info efficiently **Computing Science**

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 8	Create interactive educational product Use multiple apps Focus on target audience Create own document style (font/ colour/ images etc) Editing skills Evaluate software functions Organise suitable folder structure Demonstrate back up procedure Share folders effectively Understand advanced search features Evaluate for relevance and quality **Digital Literacy** **IT**	Prepare Animation on Scratch Use multiple apps for a range of functions & audiences Evaluate and select best software Edit products in other apps **IT** **Computing Science** Bebras Computational Critical Thinking Competition - UK wide **Computing Science**	E- Safety Campaign Produce e-safety products aimed at teenagers Guide others in online safety Demonstrate good practice using social media Understand long term implications of personal identity and digital footprint Understand legal consequences of irresponsible online use Maximise benefits and minimise risks **Digital Literacy** **Digital Citizenship**	Eisteddfod/ design an Ad Use multiple apps Focus on target audience Create own document style (font/ colour/ images etc) Editing skills Evaluate software functions Understand advanced search features to retrieve info efficiently **Digital Literacy** **IT**	Micro Bits The BBC micro:bit is a pocket-sized computer that introduces you to how software and hardware work together. It has an LED light display, buttons, sensors and many input/output features that, when programmed, let it interact with you and your world. **Computing Science** Intro to computer applications word processing **Digital Literacy** **IT**	E-Safety Leaflets (Differentiated by Age) Evaluate impact on society (social/ econ/political/ legal/ethical/moral) Guide others in online safety Demonstrate good practice using social media Evaluate for validity & plausibility Understand impact of incorrect data/news **Digital Literacy** **Digital Citizenship**

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 9	Computers in society Use multiple apps Evaluate software functions **Computing Science** Identify and explain software used for apps/ systems/operating systems Understand network types Evaluate impact on society **Digital Literacy** **Computing Science** **IT**	Computers in society Benefits and Dangers Use multiple apps Evaluate software functions Identify and explain software used for apps/ systems/operating systems Understand implications of using different network types Evaluate impact on society (social/ econ/political/ legal/ethical/moral) **Digital Literacy,** **Computing Science** **IT** Bebras Computational Critical Thinking Competition - UK wide **Computing Science** E- Safety - Sexting & Selfies **Digital Citizenship**	Plan an event (spreadsheets) Use multiple apps Focus on target audience Create own document style (font/ colour/ images etc) Editing skills Evaluate software functions Understand advanced search features Evaluate relevance and quality of info Design write and test programs/ algorithms **Digital Literacy,** **Computing Science** **IT**	Eisteddfod/ design an Ad Use multiple apps Focus on target audience Create own document style (font/ colour/ images etc) Editing skills Evaluate software functions Understand advanced search features to retrieve info efficiently Introduction to Adobe Flash Professional CS5 for Animation/storytelling Database management **Digital Literacy** **IT**	Intro to GCSE Computer Science Systems Memory and storage (part 1) Dedicated programming lessons **Computing Science**	Staying Safe online Revision **Digital Citizenship** Intro to GCSE Computer Science Binary unit **Computing Science**

Golden Threads:

Digital Literacy, Computing Science and Digital Citizenship and IT. DL is the ability to effectively, responsibly, safely and critically navigate, evaluate and create digital artefacts using a range of digital technologies. CS is the scientific and practical study of computation: what can be computed, how to compute it, and how computation may be applied to the solution of problems. IT is concerned with how computers and telecommunications equipment work, and how they may be applied to the storage, retrieval, transmission and manipulation of data. DC provides information on staying safe and looking after themselves on line- using the internet efficiently and respectfully.