Computing (IT) Curriculum

Year 3	Year 4	Year 5	Year 6
Log on to network and save work Write an algorithm - Getting Up (CS) Understand and create loops - Using Loops (CS) Learn that good digital citizens are responsible and respectful in the digital world (and beyond) - Rings of Responsibility (ES)	Design a font using LOGO - LOGO Designing a font (CS) Distinguish between private and personal information - Private and personal information (ES) Turn a music score into code - Scratch Music Score (CS)	Explore creating a positive online community - Digital citizen's pledge (ES) Code a crab maze game in Scratch - Crab Maze Game (CS) Code a counting machine in Scratch - Counting Machine (CS)	Explore the difference between Internet friends and in-person friends - Talking safely online (ES) Create a times table game using Scratch - Times Table Game (CS) Create a program that will calculate perimeter of regular 2D shapes. (CS)
Learn how to code a smoking car driving game. (CS) Learn how to stay safe when visiting websites - Staying Safe Online (ES) Learn to code a music machine in Scratch that uses sequence and repetition - Scratch Music Machine (CS)	Examine both in-person and online responsibilities. (ES) Learn to code a slug trail game. (CS)	Identify the characteristics of strong passwords. (ES) Create a program that generates words or phrases. (CS)	Learn which information to avoid sharing online because it is private. (ES) Learn to plan and code a clock in Scratch. (CS)
Safer Internet Day (ES) Create their own secure passwords - Powerful Passwords (ES) Learn to code a conversation between two characters. (CS)	Internet Safety Day (ES) Create a Maths Quiz that detects if the answers are correct. (CS)	Internet Safety Day (ES) I am learning to spot patterns and convert a flowchart algorithm into code. Coin sorter. (CS)	Internet Safety Day (ES) Draw shapes using X and Y coordinates. (CS) Moving, enlarging and rotating shapes using coordinates. CS)
Learn how the internet connects you to others - My Online Community (ES) Create an dressing up game in Scratch. (CS) Learn a variety of basic word processing skills - Word Processing Part 1 (DL)	What should you do when someone uses mean or scary language on the Internet? - The Power of Words (ES) I am learning to generalise (adapt an idea that works to do something similar) using a selection block inside a forever loop. (CS)	What is spam, and what can you do about it? - You've won a prize! (ES) I am learning to turn music into Scratch code using the skill of abstraction. (CS) I am learning to build and code a fan using Lego Wedo and Scratch. (CS)	What is cyberbullying, and how do you deal with it? (ES) Planning, programming, debugging and evaluating a game in Scratch. (CS) Use Prezi to create a presentation and then compare with what they already know about PowerPoint. (DL, ES)

How can I make sure my emails are clear and respectful? - Show Respect Online (ES) Use PowerPoint to create a presentation - Presentation Media (DL)	How can I show respect for people's work? - Whose is it, anyway? (ES) I am learning to write an algorithm to train my computer to work out maths problems. (CS)	How do I cite different types of online sources? - How to cite a site (ES) I am learning to design, build and program a Car Park barrier. (CS) Introduction to Spreadsheets (DL)	Where the internet lives. (ES) Use a spreadsheet for Investigation. (DL)
Recognise how some websites try to get you to buy things - Things for Sale (ES) Create an interactive display in Scratch. (CS) Use computers to create bright colourful work for display - Desktop Publishing (DL)	Which keywords will give you the best search results? - The key to keywords. (ES) Create a PowerPoint multimedia presentation. (DL)	How can photos be changed on the computer, and how can that affect our feelings about the way we look? - Picture Perfect (ES) I am learning to create an algorithm for Angle Types before converting this into Scratch code. (CS) Introduction to Databases (DL)	How can people help others to be good digital citizens? (ES) Design and make a simple animation with added sound narration. (DL) Design and create a chatbot that responds like a human. (CS)