

STEM Yearly Overview

	Digital Literacy, ICT, Online safety			Computing / STEM		
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2 D&T day
3	Online Safety What makes a good poster?	How do I use a computer as a musician?	How do we use databases to find information?	How can I create a simple program?	How do I improve my algorithms?	
D&T		Kids Invent Stuff				Monsters
4	Online Safety How do I use a computer as an artist?	What makes an excellent multimedia story?	How is data shared online?	How do I write efficient programs in scratch?	How do I use interaction in a program to tell stories?	
D&T		Kids Invent Stuff				Levers and Pop ups
5	Online Safety How do we share online?	How do I create a radio/ tv advert?	How do I find a share data safely and responsibly?	How do I program physical systems?	How do I create games in scratch?	
D&T		Kids Invent Stuff		K-Nex	Design and build your own games console. Makey Makey.	Pasta baking All year. Moving toys
6	Online Safety How do I use a computer as a designer?	What makes an excellent film?	Why do we use spreadsheets?	How can I create my own App?	How do I build complex physical systems?	
D&T		Kids Invent Stuff		K-Nex	Buggy making.	

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D&T		Kids Invent Stuff				Monsters
Suggestions	Word Textease Phoster Pic collage	Garage band – Christmas song	Top Trumps Branching	Ozobot https://studio.code.org	Ozobot Scratch Junior	
4	Online Safety How do I use a computer as an artist?	What makes an excellent multimedia story?	How is data stored online?	How do I write efficient programs in scratch?	How do I use interaction in a program to tell stories?	
D&T		Kids Invent Stuff				Levers and Pop ups
Suggestions	Scratch Tynker	Book Creator iMovie	Spreadsheets http://simonraughon-typeset.com/main/2010/04/introducing-spreadsheet-work-1.html	Scratch Ozobot	Tynker	
5	Online Safety How do we share online?	How do I create a radio show?	How is information shared?	How do I program physical systems?	How do I create games in scratch?	
D&T		Kids Invent Stuff		K-Nex	Design and build your own games console. Makey Makey.	Pasta baking All year. Moving toys
Suggestions	Google forms Online safety questionnaire Blogging Seesaw	Radio	Fake News Tree Octopus QR treasure hunt	Microbit Crumble		
6	Online Safety How do I use a computer as a designer?	What makes an excellent film?	Why do we use spreadsheets?	How can I create my own App?	How do I build complex physical systems?	
D&T		Kids Invent Stuff	Prepare and cook a variety of dishes using a range of cooking techniques	K-Nex	Buggy making.	
Suggestions	Tinker CAD 3D printing?	iMovie Doink Green Screen	Excel Google forms	Apps for good (Short course)	Microbit Crumble Vex	