



Year 3 / 4 Curriculum Map



A high-quality computing education equips pupils to understand and change the world through logical thinking and creativity, including by making links with mathematics, science, and design and technology. The core of computing is computer science, in which pupils are taught the principles of information and computation, and how digital systems work. Computing equips pupils to use information technology to create programs, systems and a range of media. It also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

‘The Primary National Curriculum in England Key Stages 1 & 2 Framework P.178’

Our curriculum will be split into 6 main areas: -

Text, graphics and multimedia
 Controlling and programming
 Collecting and Analysing
 Electronic Communication
 Digital Research

Generic Skills - We will develop our skills in accessing and using computers. We will learn how to make use of the computer in order to maximise learning. Each class will have two representatives who will be ICT ambassadors. Helping their peers and teachers solve problems, save work and look after the equipment provided.

Term	Project Year 1	Cornerstones requirement	Currently use	Could Use
Autumn 1	Predators	Algorithms & flow diagrams Research Logical reasoning Graphics software Digital Presentations	None Internet Explorer Turtle None Powerpoint	Step by step instructions, http://www.wiley.com/college/busin/icmi/s/oakman/outline/chap05/slides/symbols.htm (could be done as a maths lesson) Internet Explorer Turtle (directions) GIMP Powerpoint
Autumn 2	Playlist	Digital recordings Presentations	None Powerpoint	Audacity Powerpoint



Year 3 / 4 Curriculum Map



Term	Project Year 1	Cornerstones requirement	Currently use	Could Use
Spring 1	I am warrior	Nothing required by Cornerstones Esafety Word Processing skills	http://www.beatbullying.org/ http://www.bbc.co.uk/cbbc/clips/p00nxzn http://www.digizen.org/resources/cyberbullying/interactive/ Word	http://www.beatbullying.org/ http://www.bbc.co.uk/cbbc/clips/p00nxzn http://www.digizen.org/resources/cyberbullying/interactive/ Word
Spring 2	Mighty Metals	Creating spread sheets Presenting information	Excel Powerpoint	Excel Powerpoint
Summer 1	Traders and Raiders	Stop Frame Animation Digital photography Research	None Cameras Internet Explorer	Monkey Jam (FREE Download) Cameras Internet Explorer
Summer 2	Urban Pioneers	Digital maps Programming Audio Recording Researching effectively Digital photography Algorithms & flow diagrams	Google Maps Turtle None Internet Explorer Cameras None	Google Maps Turtle Audacity Internet Explorer Cameras Step by step instructions, http://www.wiley.com/college/busin/icmis/oakman/outline/chap05/slides/symbols.htm (could be done as a maths lesson)



Year 3 / 4 Curriculum Map



Term	Project Year 2	Cornerstones requirement	Currently use	Could Use
Autumn 1	Burps, Bottoms and Bile	Altering Digital Images Algorithms Video	None None Moviemaker	https://www.befunky.com/create/ Step by step instructions, http://www.wiley.com/college/business/icmis/oakman/outline/chap05/slides/symbols.htm (could be done as a maths lesson) Moviemaker
Autumn 2	Scrumdiddlyumptious	Using the Internet (research) nothing further required by Cornerstones. Esafety Word Processing skills	Internet Explorer http://www.beatbullying.org/ http://www.bbc.co.uk/cbbc/clips/p00nxznx http://www.digizen.org/resources/cyberbullying/interactive/ Word	Internet Explorer website http://www.beatbullying.org/ http://www.bbc.co.uk/cbbc/clips/p00nxznx http://www.digizen.org/resources/cyberbullying/interactive/ Word
Spring 1	Blue Abyss	Programming Video editing Presentations Research	Turtle Moviemaker Powerpoint Internet Explorer	Turtle Moviemaker Powerpoint Internet Explorer
Spring 2	Potions	Presenting information Digital Images	Powerpoint Cameras	Powerpoint Cameras
Summer 1	Road Trip USA	Collaborative Databases and spreadsheets Logical Reasoning Writing programs Research	Excel Turtle / Scratch Turtle / Scratch Internet Explorer	Excel Turtle / Scratch Turtle / Scratch Internet Explorer



Year 3 / 4 Curriculum Map



		Presentations	Powerpoint	Powerpoint
Summer 2	Heroes and Villains	Research	Internet Explorer	Internet Explorer

Next task - Progression within each of the 6 areas needs to be established. In the first instance because ICT is a skill that is not distinguished by age or academic ability, progression will be split into 3 groups LAP, MAP and HAP. In a year's time this will be reviewed again with a view to advancing progression further.