



## Year 5/6 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	ID	Select, use and combine a variety of software Maps Create an avatar	Microsoft Word, Excel  Google Maps  None	Microsoft Word, Excel  Google Maps  <a href="http://avachara.com/">http://avachara.com/</a> for avatar and paint for speech and background.
Autumn 2	Stargazers	Programming Research Maps Recording and presenting data Stop-frame animation	Scratch Internet explorer Google Maps  Excel None	Scratch Internet explorer Google Maps  Excel Monkey Jam (FREE Download)



## Year 5/6 Curriculum Map



Term	Project Year 1	Cornerstones requirement	Currently use	Could Use
Spring 2	Frozen Planet	Research Collecting, evaluating and presenting data Recording	Internet explorer Internet explorer and powerpoint  Photostory	Internet explorer Internet explorer and powerpoint  Photostory / audacity
Spring 1	Alchemy Island	Digital Photography Debugging programs Gaming research Digital Communication Create an Avatar	Cameras Scratch Internet Explorer None None	Cameras Scratch Internet Explorer Email <a href="http://avachara.com/">http://avachara.com/</a> for avatar and paint for speech and background.
Summer 1	Allotment	Using the web Word Processing Esafety	Internet Explorer Word website <a href="http://www.beatbullying.org/">http://www.beatbullying.org/</a> <a href="http://www.bbc.co.uk/cbbc/clips/p00nxznx">http://www.bbc.co.uk/cbbc/clips/p00nxznx</a> <a href="http://www.digizen.org/resources/cyberbullying/interactive/">http://www.digizen.org/resources/cyberbullying/interactive/</a>	Internet explorer Word website <a href="http://www.beatbullying.org/">http://www.beatbullying.org/</a> <a href="http://www.bbc.co.uk/cbbc/clips/p00nxznx">http://www.bbc.co.uk/cbbc/clips/p00nxznx</a> <a href="http://www.digizen.org/resources/cyberbullying/interactive/">http://www.digizen.org/resources/cyberbullying/interactive/</a>
Summer 2	Pharaohs	Online research Morphing animations Computer Networks	Internet explorer None None	Internet explorer Fotomorph (free) Specifically written lessons



## Year 5/6 Curriculum Map



Term	Project Year 2	Cornerstones requirement	Currently use	Could use
Autumn 1	Off with her head	Research Data Handling Maps Presentation with recorded sounds	Internet Explorer Excel Google Maps Movie Maker	Internet Explorer Excel Google Maps Movie Maker
Autumn 2	Revolution	Digital Photography Word processing Esafety (Not a cornerstones requirement)	Cameras Word website <a href="http://www.beatbullying.org/">http://www.beatbullying.org/</a> <a href="http://www.bbc.co.uk/cbbc/clips/p00nxznx">http://www.bbc.co.uk/cbbc/clips/p00nxznx</a> <a href="http://www.digizen.org/resources/cyberbullying/interactive/">http://www.digizen.org/resources/cyberbullying/interactive/</a>	Cameras Word website <a href="http://www.beatbullying.org/">http://www.beatbullying.org/</a> <a href="http://www.bbc.co.uk/cbbc/clips/p00nxznx">http://www.bbc.co.uk/cbbc/clips/p00nxznx</a> <a href="http://www.digizen.org/resources/cyberbullying/interactive/">http://www.digizen.org/resources/cyberbullying/interactive/</a>
Spring 1	A child's war	Research (accurately) Presentation	Internet Explorer Powerpoint	Internet Explorer Powerpoint
Spring 2	Beast Creator	Research (accurately) Data collection & analysis Presentation Create Images Graphic visual representation	Internet Explorer Excel / MS Access  Powerpoint Paint None	Internet Explorer Excel / MS Access  Powerpoint Paint Smartart for Excel
Summer 1	Blood heart	Websites Flow diagrams	Internet Explorer None	Internet Explorer Smartdraw (Free)
Summer 2	Scream Machine	Photography Research Maps Algorithms & Flowcharts	Cameras Internet Explorer Google Maps None	Cameras Internet Explorer Google Maps Step by step instructions, <a href="http://www.wiley.com/college/busin/ic">http://www.wiley.com/college/busin/ic</a>



## Year 5/6 Curriculum Map



		Online Communication Posters	None Publisher	<a href="https://www.oakman.org.uk/mis/oakman/outline/chap05/slides/symbols.htm">mis/oakman/outline/chap05/slides/symbols.htm</a> (could be done as a maths lesson) Email Publisher
--	--	------------------------------	-------------------	---

**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.