**Computing Curriculum Y1-Y6**

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| **YEAR GROUP** | **T1****ALGORITHMS / COMPUTER SCIENCE** | **T2****PHYSICAL PROGRAMMING** | **T3****E-SAFETY WEEK** | **T3****INTERNET & ONLINE TECHNOLOGY** | **T4****DATA HANDLING** | **T5** **MULTIMEDIA** | **T6****VISUAL PROGRAMMING** |
| 1 | **Technology Around Us**Recognise common uses of information technology beyond school and make use of a range of technology and software available in school | **Programming - Bee-bot Tinkering**Barefoot Computing Projects | **E-Safety through stories**Digiduck's Big Decision and Smartie the Penguin | **Navigating the Internet** | **Presenting and sorting data -** Pictograms and bar charts, sorting activities | **Working with images and sound**Art packageMusic software / audio recordingWe Are Sharing – Switched on Computing | **Modelling & Simulation**Physical to Abstract ideas[**https://slp.somerset.gov.uk/cypd/elim/somersetict/Site%20Pages/Progressions%20-%20Modelling%20and%20Simulation.aspx**](https://slp.somerset.gov.uk/cypd/elim/somersetict/Site%20Pages/Progressions%20-%20Modelling%20and%20Simulation.aspx) |
| 2 | **Algorithms** Barefoot Computing Projects | **Programming - Routes**Bee-bot / Human robots | **Lee & Kim's Big Adventure** | **Internet research and safe searching** | **Capturing and presenting data -**digital camera, video, microphone, data logger | **Combining text, images and sound** - Story tellingWe Are Cooking - Switched on Computing | **Scratch Junior Tinkering**Barefoot Computing Projects |
| 3 | **Computational Thinking - Exploring simulations** | **Programming – Robots**LightBot & Probots | **Hector's World** | **Understanding the Internet and evaluating digital content** | **Data Handling - An introduction to databases**[**http://csunplugged.org/databases**](http://csunplugged.org/databases) | **Animation / Movie Maker** | **Scratch animation**We are Programmers - Switched on Computing |
| 4 | **Computer Science unplugged / Computing Theory**[**http://www.simonhaughton.co.uk/computing-theory-for-7-to-11-year-olds.html**](http://www.simonhaughton.co.uk/computing-theory-for-7-to-11-year-olds.html) | **Programming – Shapes**Probots / Scratch 2D Shapes and crystal flowers | **Captain Kara and the Smart Crew** | **Communicating online****Blogging / E-Mail** | **Analyse & Present Data – Class Survey**Introduce spreadsheets and simple formula | **Powerpoint with hyperlinks**We Are Botanists / Interactive story - Switched on Computing | **Scratch Irish Computer Society Projects**[**http://scratch.ie/primary/resources**](http://scratch.ie/primary/resources) |
| 5 | **Computer Science unplugged -** Data: Representing Information (Not Databases)[**http://csunplugged.org/activities**](http://csunplugged.org/activities) | **Flowol**Flowol – Zebra Crossing and traffic lights | **Kids SMART**[**http://www.kidsmart.org.uk/**](http://www.kidsmart.org.uk/)CEOP Jigsaw - Zip It, Block It, Flag It slogan<http://www.simonhaughton.co.uk/2012/05/year-5-e-safety-lesson-1-2012.html> | **How the Internet Works**<http://www.code-it.co.uk/year5/index.htm><http://hackasaurus.org/en-US/goggles/><http://internet-map.net/> | **Taking Spreadsheets Further****https://allteach.co.uk/scheme-of-work/free-sample.html** | **We Are Film Makers** Switched on computing Year 5 -Movie Maker 2.6 and Word | **Scratch –Maths Quiz and Math Activities**[**http://code-it.co.uk/scratch/scratchquiz.html**](http://code-it.co.uk/scratch/scratchquiz.html)[**http://www.code-it.co.uk/scratch/scratchplan.html**](http://www.code-it.co.uk/scratch/scratchplan.html) |
| 6 | **Computer Science Unplugged -** Putting Computers to Work: Algorithms**http://csunplugged.org/activities** | **Flowol**Lighthouse and Bridge LightsEXT – CarparkFlowGo (STEM Project) | **ThinkUKnow Cybercafe - Cyberbullying** | **Computer Networks****Understand how computer networks can provide multiple services including the Web** <https://sites.google.com/site/primaryictitt/home/key-stage-2/multiple-services>HTML introductionThimble HTML editorCoffee Cup HTML editor <http://www.code-it.co.uk/netintsearch.html> | **Databases****WHODUNNIT?****Analyse a database to solve crimes**<http://primary.naace.co.uk/activities/#Whodunnit>? | **Graphic Design using Google Sketchup**<http://bwjunior.hants.sch.uk/curriculum/documents/ict-howto-sketchup.pdf><http://www.simonhaughton.co.uk/2011/11/super-sketchup.html> | **Scratch – Computer Games (Simple Maze or Pong Game)**[**http://www.code-it.co.uk/scratch/crabmaze.html**](http://www.code-it.co.uk/scratch/crabmaze.html)[**http://www.simonhaughton.co.uk/2013/02/scratch-20-resources-and-planning.html**](http://www.simonhaughton.co.uk/2013/02/scratch-20-resources-and-planning.html)**We Are Game Designers**Switched on computing Year 6 – Kodu and Word |