

# Computing

Objectives      Examples

Year One	Year Two
<p><b>Computer Science</b></p> <p>Create and debug simple programs - <i>Beebot, programming a route, writing the route out, trying the route, identifying and correcting mistakes.</i></p> <p>Use logical reasoning to predict the behaviour of simple programs - <i>ie child acting out what beebot or probot will do, making sensible predictions (ie not expecting it to jump)</i></p> <p><b>Information Technology</b></p> <p>Use technology purposefully to create ; <i>simple word processing, pictures in paint packages, beginning to work with digital photos.</i></p> <p>Use technology purposefully to organise ; <i>using space bar and return to organise text on a page, know how to print a document,</i></p> <p>Use technology purposefully to store ; <i>know where files are stored.</i></p> <p>Use technology purposefully to manipulate ; <i>making changes to digital content, ie changing fonts, adding to pictures, deleting and improving.</i></p> <p>Use technology purposefully to retrieve ; <i>finding own files and opening them successfully.</i></p> <p><b>Digital Literacy</b></p> <p>Recognise common uses of information technology beyond school - <i>(ie digital alarm clock wakes you up, microwave cooks their porridge, they play on ipad, sat nav in car, mum orders food online, etc)</i></p>	<p><b>Computer Science</b></p> <p>Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions - <i>Using Scratch, 2Go, Logo, Probot to make a set of rules or instructions that a computer can follow.</i></p> <p><b>Information Technology</b></p> <p>Use technology purposefully to create ; <i>word processing, using more advanced options in paint packages, working with digital photos, animation)</i></p> <p>Use technology purposefully to organise ; <i>begin to organise simple files.</i></p> <p>Use technology purposefully to store ; <i>Know where files are stored and beginning to understand the different areas of the computer's memory (ie different drives)</i></p> <p>Use technology purposefully to manipulate ; <i>making changes to digital content, resizing objects, editing and improving.</i></p> <p>Use technology purposefully to retrieve ; <i>finding own files and opening them successfully.</i></p> <p><b>Digital Literacy</b></p> <p>Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies - <i>(e safety, awareness of risks of using the internet, not to give out personal information on the computer, what to do if they come across inappropriate images or online behaviour)</i></p>