**Computing in Key Stage 1**

**Computer Science:**

* I can understand that programs run by following precise instructions
* I can predict the behaviour of simple programs
* I can understand and use algorithms
* I can debug’ simple programs
* I can work with various forms of output

**Information Technology:**

* I can use a variety of software to accomplish set goals
* I can use technology to create and store digital content
* I can use the Internet effectively, including search technologies
* I can collect information and present it to someone else
* I can use technology to organise and manipulate digital content

**Digital Literacy:**

* I can use technology respectfully
* I can talk about uses of digital technology outside of school
* I can type and edit text for purpose with good accuracy
* I can understand what personal information is and that it is best not to post it on the Internet
* I can type to achieve a specific goal, including accurate punctuation
* I can understand the need for rules to help stay safe online

**Key studies within Computing in Key Stage 1**

**Problem Solving and Logical Thinking**

* Create a simple series of instructions - left and right, forward, back
* Put two instructions together to control a programmable device
* Predict and test the outcomes of a set of instructions
* Program using sequences of instructions to implement an algorithm
* Create an algorithm for their partner to debug, test and amend a set of instructions

**Creative Content**

* Use digital technology to store and retrieve content
* Find information on a website by using a web page as a resource
* Experiment with drawing tools, text, pictures and animation to create a presentation
* Create content (a video and animation) in a small group and record the narration

**Making Things Happen**

* Play computer games, using controls effectively
* Move objects around on a screen and repeat a series of actions for a purpose
* Give a single instruction to make something happen
* Explain what has happened when using ICT for control and predict the next step

**Networks and the Internet**

* Recognise ICT around me
* Explore information from various ICT sources
* Find information on the internet

**Using ICT**

* Use names for ICT components – e.g. mouse
* Record their own voice and that of others
* Use a simple art program and use shape tools to draw ad resize a picture
* Recognise different ways of using ICT and decide which to use

**Digital Literacy**

* Recognise the different forms of digital communication (emails addresses, messaging)
* Develop awareness and use of keyboard layout and use navigation skills appropriately (backspace, enter, spacebar, mouse)
* Create, edit and format text (insert/delete words, use bold/italics/underline)