

Computing – Key Stage One



Programming

- I can follow instructions to get the correct result
- I know an algorithm is a precise, step-by step set of instructions used to solve a problem or achieve an objective.
- I can follow instructions on a computer program
- I know an algorithm written for a computer to follow is called a program
- I know that correcting errors in an algorithm or program is called 'debugging'
- I know how to create an algorithm
- I know how to debug an algorithm
- I can explain what is meant by coding
- I can read through combined blocks of code
- Children can explain how to use the following terms in a computer program: Command, Repeat, Input, Output, Event, Collision Detection and Timer.
- Children can plan and use algorithms in programs successfully to achieve an end result.
- Children can code a program using a variety of objects, actions, events and outputs successfully.

Data

- I can sort data using a range of criteria
- I can create simple graphs
- I can use and navigate a spreadsheet
- I can explain what rows and columns are in a spreadsheet
- I can design and use a binary tree to sort.
- I can use a database to answer simple questions

Understanding

- I can use different devices to store information (cameras, video recorders, tablets, laptops, voice recorders etc...)
- I can use a range of programs to store information

Using Effectively

- I can use different tools to create images and text.
- I can create animations
- I can add sound/music/voice recordings to a document
- I can copy and paste
- I understand what is meant by 'technology'
- I know what technology is used in and outside of school
- I can identify and use the basic parts of a web search engine
- I can carry out an effective, safe search on the internet
- I can use music programs to create a tune

Keeping Safe

- I can login using my own login.
- I know why passwords are important.
- I can create my own avatar and understand why is it useful.
- I can add my name to a picture I created on the computer and know which information I should not share.
- I am beginning to develop an understanding of ownership of work online.
- I can save work into the My Work and understand that this is a private saving space just for their work.
- I can use the search facility to refine searches.
- I can open and send an e-mail
- I know what to do if something online makes me feel uncomfortable
- Agree online safety rules