



The Computing Curriculum will be taught using the Espresso Coding across all year groups in the Federation of Yatton Schools for the objectives relating to coding. For the other objectives in the new national curriculum, teachers will continue to plan learning opportunities using a variety of technology including sound equipment, ipads and cameras.

All children will be taught E-Safety with reference to North Somerset's 360° Toolkit and resources

## 2014 National Curriculum for Computing

Espresso Coding provides your school with everything it needs to get up to speed with this new and challenging curriculum area. Based on the National Curriculum for Computing, Espresso Coding helps teachers to deliver the following objectives in a fun and engaging way:

### Key Stage 1

Pupils should be taught to:	Espresso Coding provides this
Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following a sequence of instructions	✓
Write and test simple programs	✓
Use logical reasoning to predict the behaviour of simple programs	✓

### Key Stage 2

Pupils should be taught to:	Espresso Coding provides this
Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve	✓

problems by decomposing them into smaller parts	
Use sequence, selection, and repetition in programs; work with variables and various forms of input and output; generate appropriate inputs and predicted outputs to test programs	✓
Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs	✓