



Computing

Intent

At West Road Primary Academy, we are committed to meeting the requirements of the national curriculum.

The national curriculum for computing aims to ensure that all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems are responsible, competent, confident and creative users of information and communication technology.

We provide all of our pupils with the knowledge and skills needed for various digital contexts so that they can become active participants in the digital world. We ensure that our pupils are aware of measures that can be taken to keep themselves and others safe online through discreet lessons and across the wider curriculum.

Implementation

Our scheme of work for computing in KS1 is adapted from the 'Teach Computing' curriculum. In KS2, computing specialists (Ijam) deliver the computing curriculum to our pupils. Each year group receives at least 40 minutes of computing every week and lessons are adapted to ensure that they are accessible and challenging for all learners. Children have access to iPads, computers and chrome books so they can develop their skills and confidence using various technology. Computing has been sequenced so that it enables

children to progress through year groups. Each unit of computing is closely linked to the objectives from the national curriculum and the objectives are revisited several times throughout the year. Units are taught through four key components: computing systems and networks; programming; data and information; and creating media.

Impact

Our computing curriculum is well planned and sequenced, ensuring that children have the skills and knowledge needed for the next stage in their education. Having weekly, discreet lessons means that children develop depth in their skills and knowledge.

Learners progress is tracked through O track and evidence of learning is collated in class books.