Computing

Statement of Curriculum Intent

Aims:

The school will ensure that the **aims** of the Computing National Curriculum are fully met.

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.

Subject Pedagogy:

In our school, we will ensure effective Computing pedagogy through utilising **Threshold Concepts**. These are key concepts that underpin good teaching in Computing.

The Threshold Concepts for Computing are:

- **Code**
  This concept involves developing an understanding of instructions, logic and sequences.
- **Connect**
  This concept involves developing an understanding of how to safely connect with others.
- **Communicate**
  This concept involves using apps to communicate one's ideas.
- **Collect**
  This concept involves developing an understanding of databases and their uses.

For further details click here.

Expectations and Progress:

We will ensure appropriate **expectation** is built into our **teaching sequences** by utilising three distinct **'Milestones for Progress'** within Computing.

- Milestone 1 is broadly aimed at Key Stage 1
- Milestone 2 at Lower Key stage 2
- Milestone 3 at Upper Key Stage 2

Clear details of each Milestone in Computing can be accessed **by clicking here.**

Pupil Personal Development through Computing:

In our school, particular emphasis is placed on embedding our 'My Personal Best' skills through our curriculum. The 'My Personal Best' skills are shown here.