



Computing at Furzeham Primary and Nursery School

Curriculum

Teaching

The subject is taught to ensure that all pupils by the end of year 6:

- *can understand and apply the fundamental principles of computer science, including logic, algorithms, data representation, and communication
- *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.

Rationale

The key principles are to:

- Provide a broad, balanced, challenging and enjoyable curriculum for all pupils.
- Develop pupil's computational thinking skills that will benefit them throughout their lives.
- Meet the requirements of the national curriculum programmes of study for computing at Key Stage 1 and 2
- To respond to new developments in technology
- To equip pupils with the confidence and skills to use digital tools and technologies throughout their lives.
- To enhance and enrich learning in other areas of the curriculum using IT and computing

Assessment in Computing

Teachers regularly assess progress through observations and evidence. Key objectives to be assessed are taken from the National Curriculum to assess computing each term. Assessing computing is an integral part of teaching & learning and key to good practice. We assess the children's work in computing by making informal judgments as we observe the children during lessons. Once the children complete a unit of work, we make a summary judgment of the work for each pupil as to whether they have yet to obtain, obtained or exceeded the expectations of the unit

Key lines of enquiry

- Install digital signage in the school foyer.
- Rollout pupil self-assessment across KS2.
- Gather nominees from each KS2 class to plan launch of our Digital Leader programme.
- Online safety leaflet to be given out to parents during parents consultation