



# Computing



We aim to prepare all of our children for their future by giving them opportunities to gain knowledge and develop skills that will equip them for an ever changing digital world. We aim to:

- Increase and develop their knowledge and understanding of internet safety.
  - Increase their understanding of programming.
  - Develop use and knowledge of multimedia.
- To be responsible, competent, confident and creative users of information and communication technology that will help children in their future life.

## Intent

**Inspiration:** For our children to be inspired by the capabilities of our digital world. To be inspired to use computing to further enhance their life skills.

**Aspiration:** For the computing element of our school curriculum to enable pupils to find, explore, analyse, exchange and present information so that they leave Ferndale computer literate and prepared to participate in a rapidly-changing world where work and leisure activities are increasingly transformed by technology.

**Inclusion:** For all of our children to have a love of Computing. All children to be able to express themselves and develop their ideas.

## Implementation

### What we cover?

- Teachers are supported by a clear and comprehensive sequenced scheme of work, Teach computing that offers ideas and resources in line with the National Curriculum.
- Teaching and learning progresses across all key stages within the strands of computing, including multimedia, programming, networks and online safety.

### How is it covered?

- We build upon learning and skill development by covering each topic throughout the year groups building on previous learning.
  - Teaching builds and reviews previous learning, before new learning is taught and extended.
- Children access resources to acquire learning through computing equipment, digital technology, rich vocabulary and remote learning to enhance their experiences.

## Impact

- Children will understand and use the key skills of using and recognising technology, use logical reasoning and develop programming skills.
  - The large majority of children will achieve age related expectations in computing.
- Children will be confident users of technology, able to use it to accomplish a wide variety of goals, both at home, in school and in their future life.
  - Children will be digitally literate and able to join in with the rest of the world on a digital platform.
    - Children will recognise the safe use of technology, respectfully and responsibly.