

Statement of Intent - Computing

Intent: All pupils at St Wilfrid's RC Primary have the right to have rich learning experiences that balance all the aspects of computing. Technology plays such a significant role in society today we believe children must be taught the skills enabling them to participate effectively and safely in this digital world. Quality computing education equips pupils to use creativity to understand and change the world. Computing has links with maths, science, and DT and provides insights into both natural and artificial systems.

At St Wilfrid's pupils are introduced to a wide range of technology including laptops, iPads and interactive whiteboards allowing them to practice and improve the skills they learn. This ensures they become digitally literate so that they are able to express themselves and develop their ideas through information and computer technology - giving them the skills to use in their future workplace and become active participants in a digital world. We teach a curriculum that enables children to become effective users of technology who can:

- Understand and apply principles and concepts of computing, including logic, algorithms and data representation;
- Analyse problems and have practical experience of writing computer programs in order to solve such problems;
- Communicate ideas well by utilising appliances and devices throughout all areas of the curriculum.

EYFS

Computing in the early years encourages children to find out about and identify the uses of everyday technology, such as programmable toys, office equipment, music keyboards etc. Children gain a range of skills widely applicable in life, such as cognitive, coordination, literacy and math skills.

Links to EYFS Curriculum - Understanding of the world.

Internet Safety

St Wilfrid's takes internet safety extremely seriously. We have an Online Safety Policy that provides guidance for teachers and children about how to use the internet safely. Each term every year group participates in age appropriate lessons on Online Safety and children understand how to stay safe when using technology. Our school website has a section for parents and pupils to access resources and links to websites for advice and support with Online Safety.

Implementation

In school we use Purple Mash an online scheme to help deliver the computing curriculum. As part of the planning process, teachers need to plan the following:

- An overview of knowledge (including vocabulary) all children must master;

- A cycle of lessons for each subject, which carefully plans for progression and depth;
- If applicable trips and visiting experts who will enhance the learning experience;

Impact:

Our Computing curriculum is well thought out and is planned to demonstrate progression. If children are keeping up with the curriculum, they are deemed to be making good or better progress.

In addition, we measure the impact of our curriculum through the following methods:

- A reflection on standards achieved against the planned outcomes
- Children can understand and apply the fundamental principles and concepts of computing
- Children can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems;
- Children are responsible, competent, confident and creative users of available technologies
- Pupil discussions about their learning;