Computing Curriculum at Sywell Church of England Primary School

Intent

Every child at Sywell Church of England Primary School has the right to access an in depth and rich computing curriculum with the use of technology being used to enhance all areas of the curriculum. All pupils will leave Sywell ready to enter the digital world with a greater understanding of Computing Science; how the technology works and Digital Literacy; staying safe online. All pupils will use a range of technology throughout their time at Sywell, including Chromebooks, iPads, desktop computers and interactive whiteboards. The technology is used within computing sessions and across the curriculum.

Our computing curriculum ensures the children confidently use technology to understand the world. It will equip them for future employment and ensure they are able to express themselves and develop their ideas creatively. Our curriculum teaches pupils how to understand, write and debug algorithms in order to understand how digital devices work and explain with logical reasoning. It shows pupils how to search and explore technology and the internet effectively and safely. Our curriculum lets pupils communicate their ideas well through the use of different software and devices.

Online Safety

At Sywell Church of England Primary School, it is important that we educate our children to be safe and responsible whilst using the internet and technology. As part of their education, we teach them how to remain safe whilst online and how to use technology both appropriately and effectively. We aim to create a society that is well informed about how to protect themselves online whilst promoting the use of technology. Children are learning that appropriate, respectful ways to communicate are important and this should include digital communications, whether online or offline. We ensure every pupil understands the importance of being safe online. We complete termly online safety lessons within every cohort which are embedded and referred to within our teaching on a daily basis. Online safety is very important to us and we have an Online Safety Policy that provides guidance for teachers and pupils about staying safe on the internet.

Implementation

The core of Computing Science will be taught by the same teacher across all cohorts. This allows for consistent progression throughout the school and ensures plans are in depth and suitably targeted with appropriate challenge. These computing sessions will follow the Sywell Computing Scheme of Work. All teachers complete a planning sheet listing the national curriculum objectives along with the skills that need to be covered that term. Teachers will also indicate where they will use technology within other areas of the curriculum to ensure the skills and knowledge are embedded.

Impact

Our curriculum is well thought out and demonstrates progression of skills throughout the year and between cohorts. If children complete the sessions then they will be making good or better progress. Sywell Church of England Primary School measures the impact of the curriculum by looking at annotations on lesson plans, pupil's understanding shown through their work and discussions and formative assessments results.