Wrockwardine Wood CofE Junior School Curriculum Intent statement: Computing

Our school community will ignite the ability in all to **'love, laugh and learn',** recognising the extraordinary and wondrous in everything and in everyone. Our rich, varied and creative curriculum, together with our core Christian values, will empower all to flourish emotionally, socially, spiritually and academically, confidently knowing that '**all things are possible with god'** (Matthew 19:26).

Intent

Our computing curriculum aims to provide the children with the skills and knowledge to use technology safely and effectively in a digital world. We want to equip our children with the ability to use technology confidently and in a considered way at all times, whether that is for work or leisure. We understand the future opportunities that a high quality computing education can provide to our pupils, and our curriculum will give them a broad, deep understanding of computing and how it links to their lives. It offers a range of opportunities for consolidation, challenge and variety whilst also being engaging. This curriculum allows our children to apply the fundamental principles and concepts of computer science whilst developing a firm grasp of the basics. The children will develop analytical problem-solving skills and learn to evaluate and apply information technology. It will also enable them to become responsible, competent, confident and creative users of information technology by the time that they leave our school.

"Train up a child in the way he should go; even when he is old he will not depart from it." (Proverbs 22:6)

Implementation

Our curriculum is designed to allow the children to progress their skills throughout sequences of lessons, but to also build on and consolidate prior learning. Each lesson contains revision, analysis and problem-solving. Through the sequence of lessons, we intend to inspire pupils to develop a love of the digital world, see its place in their future and give teachers confidence. Cross-curricular links are also important in supporting other areas of learning and skills can be used across the whole curriculum. Our lessons help children to build on prior knowledge at the same time as introducing new skills and challenges. In KS2, lessons will focus on algorithms, programming and coding in a complex way and for different purposes. Children also develop their knowledge of computer networks, internet services and the safe and purposeful use of the internet and technology. Children also build progressive skills to support data presentation in a range of multimedia. Lesson plans and end of unit assessment enable staff to feel confident in the progression of skills and knowledge and that outcomes have been met. An example of keywords has been included, showing the progression of specific language involved in children's learning so that teachers can also assess understanding and progress through vocabulary.

Impact

Learning in computing will be enjoyed across the school. Teachers will have high expectations and quality evidence will be presented in a variety of electronic forms. Children will use digital and technological vocabulary accurately, alongside a progression in their technical skills. They will be confident using a range of hardware and software and will produce high-quality purposeful products. Children will see the digital world as part of their world, extending beyond school, and understand that they have choices to make. They will be confident and respectful digital citizens going on to lead happy and healthy digital lives.