



Here at St Paul's CE Primary School Utkinton, we are proud to provide excellent care and outstanding education for children from three to eleven years old in our unique, picturesque setting. Our Christian vision is at the heart of all we do, and we endeavour to provide a personalised curriculum to each and every child.

Our small class sizes allow us to give each child a high level of support and guidance. We take care to ensure that we know every child's starting points and we adapt our teaching to meet their needs, meaning every pupil is experiencing challenge and success.

Our Computing curriculum is mapped out through rolling programmes due to the class sizes and we have worked hard to tailor the curriculum to it is bespoke to our children.

Our Computing Curriculum

At St. Paul's, we aim to give our pupils the life-skills that will enable them to embrace and utilise new technology in a socially responsible and safe way in order to flourish. We believe that computing is a fundamental aspect of our world today and that its influence in the future looks set to increase yet further. Our vision is for all teachers and learners in our school to become confident users of ICT so that they can develop the skills, knowledge and understanding which enable them to operate in the 21st century workplace.

“Whether you want to uncover the secrets of the universe, or you just want to pursue a career in the 21st century, basic computer programming is an essential skill to learn”
Steven Hawking

Intent

Our aim is to provide a rich, challenging Computing curriculum that will equip all pupils with the experience, skills and confidence they need to succeed and achieve in our rapidly changing technological world. In Computing lessons, pupils will be taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming. Building on this knowledge and understanding, we aim to equip children with the knowledge and understanding of how to use information technology to create programs, systems and a range of content. We will encourage children to use computational thinking and creativity to solve problems across the curriculum and teach them how to apply the skills that they have learnt. We also recognise our responsibility to give our children the best tools to make informed decisions whilst using the internet. As they progress through school, pupils will develop a detailed knowledge and understanding of e-safety and how to keep safe online through practical experiences. It is a subject that will broaden their learning beyond their lived experiences. We aim for our children to be inquisitive and use technology to explore, educate and develop.

Implementation

At St. Paul's, we deliver our Computing curriculum that is split into the following 5 key areas:

- Multimedia
- Programming and Development
- Data and Data Representation
- Online
- E-Safety

Our curriculum document maps out the knowledge, skills and vocabulary in each of these 5 key areas that the children will be working towards achieving by the end of each key stage. Each National Curriculum objective is broken down into small, achievable steps in order to create a sequence of lessons,

allowing for depth of learning to take place. These small steps of development also ensure that learning is progressive and built upon prior learning as the children move through the key stages. This ensures our curriculum delivers clear progression of skills from Year 1 to Year 6 and it embeds E-Safety to ensure safe and responsible use of technology. Units of work are always practical and engaging and always have a 'hands on' element.

Impact

Children will become confident users of technology. They will have resilience when tackling programmes or unfamiliar software and technology. They will become digitally literate and resilient.

In order to ensure that our Computing curriculum is effective, children will be given opportunities to share their progress through pupil voice. This will be used to gain an insight into how our children are developing their knowledge and understanding in computing as we believe children who have learnt and understood will be able to articulate their knowledge. Our curriculum is progressive and builds on previously learned skills enabling our children to make connections as they move through units and year groups. Pupil voice will also be used to understand children's enjoyment of computing. Pupil progress will also be measured through application tasks, completed throughout each academic year and evidenced in the creative, active learning books.