Computing:

Intent:

At Canon Burrows we believe that a high-quality computing education equips our pupils to use computational thinking and creativity to understand and change the world. Technology will play a pivotal part in our pupil's lives and we aim to give them the life-skills that will enable them to embrace and utilise new technology in a socially responsible and safe way, in order to flourish as active participants in a digital world. We want our pupils to be able to operate in the 21st Century workplace and be confident in pursuing careers in computing technology. Although computing is taught discretely as a computer science, it has deep links with and is embedded within the entire curriculum, where pupils use their key knowledge and skills of computer science, information technology and digital literacy as a solid grounding for future learning and beyond. We support pupils in becoming digitally literate and develop their understanding of themselves as members of a wider global community and as responsible digital citizens.

Implementation:

At Canon Burrows we follow a broad and balanced computing curriculum that builds upon previous learning and provides both support and challenge for learners. We follow a bespoke computing scheme, based upon the Teach Computing and the National Centre for Computing Education, that is built around an innovative progression framework of knowledge and skills to cover all aspects of the computing curriculum.

Every other half term, classes will have a weekly scheduled computing lesson, meaning the pupils complete 3 separate units each year. We want to ensure that computing is embedded in our whole school curriculum and that opportunities for enhancing learning by using technology are always taken through our blended learning approach.

Pupil's have access to a myriad of technology including individual Chromebooks, desktop computers and BeeBots. Their work will be stored on Google Classroom for reference and assessment. Pupils will have a good knowledge of using Google Sheets, Google Docs, Google Slides, Google Drawings and Jamboard.

Impact:

Through monitoring of planning, lessons and assessment, we can be sure that progress is made in all year groups.

Summative assessment takes place at the end of each unit where pupil's attainment is assessed against the unit objectives. The assessment is then passed on to their future teacher. End of year assessment analysis shows that attainment in Computing is consistently high throughout school and that both boys and girls achieve well in Computing.

All of this ensures that our pupils at Canon Burrows have a high-quality computing education and equips our pupils to use computational thinking and creativity to understand and change the world.