

Rushbrook Primary Academy

Computing Curriculum Statement

Intent

Through our computing curriculum at Rushbrook Primary Academy 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. As children become autonomous, independent users of computer technologies, they will gain confidence and enjoyment from their activities. Not only do we want them to be digitally literate and competent end-users of technology, but through our computer science lessons we want them to develop creativity, resilience, problem-solving and critical thinking skills. We want our pupils to have a breadth of experience to develop their understanding of themselves as individuals within their community but also as members of a wider global community and as responsible digital citizens. We want our pupils to be able to operate in the 21st century workplace, know the career opportunities available to them in the future and be able to be a part of that future.

Implementation:

Our computing curriculum is taught from Year1 to 6. We follow the National Curriculum guidance in for Key Stages 1 and 2. In EYFS iPads are available for cross curricula activities. The skills that the children learn are built upon year on year until the end of KS2. The computing curriculum is divided up into three strands - Computer Science, Information Technology and Digital Literacy. The children are taught computing discreetly during computing sessions that occur weekly and during these sessions they have access to a range of technological equipment such as Bluetooth enabled devices, iPads, computers and programmable toys.

Purple Mash is a creative online space from 2Simple. It has a variety of curriculum focussed activities, creative tools, programs and games to support and inspire creative learning. It lends itself well to cross-curricular activities and is used in a variety of subjects for example: newspaper frames in English and 3D models in Design and Technology.

At Rushbrook Primary Academy teachers use Purple Mash to not only teach the Computing Curriculum but to also support the curriculum throughout the year and help to ensure computing is embedded throughout the curriculum.

As Purple Mash is online, teachers can set tasks for homework and children can access and build on their learning in their own time at home. Every pupil in school has their own individual login to save and retrieve their work.

Impact:

When they leave Rushbrook, pupils will be confident users of technology, able to use it to accomplish a wide variety of goals, both at home and in school. Children will have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technologies and trends are rapidly evolving. Children will be

able to apply the British values of democracy, tolerance, mutual respect, rule of law and liberty when using digital systems.



E-Safety

E-safety is taught throughout the year and included within each unit. As a school we are very aware of the responsibility that we have to educate our children about staying safe online and because of this assemblies and E-Safety days are also very much a part of our curriculum.

