

Computing at Wincheap

"We are currently preparing students for jobs that don't yet exist, using technologies that haven't been invented, in order to solve problems we don't know are problems yet." Richard Riley.

At Wincheap Foundation Primary School, we see the teaching of Computing as an integral part of the school curriculum. Our school uses Purple Mash to support the learning of each strand of the computing curriculum. Each child has a log in and password to use at school and at home meaning children can access their school work at home as a way of extending their computing learning. Purple Mash also offers opportunities for children to complete cross-curricular work, helping to embed their computing skills at every opportunity.

Intent:

At Wincheap, we understand the immense value technology plays in supporting the Computing and whole school curriculum, day-to-day life of our school and also the increasing role it plays in our pupils' lives as they grow older. We believe that technology can provide: enhanced collaborative learning opportunities; better engagement of pupils; easier access to rich content; support conceptual understanding of new concepts and can support the needs of all our pupils.

Our aim is for all our pupils to develop their computational thinking skills and creativity. At the core of the computing curriculum lies computer science. Our children are able to build on their knowledge using information technology skills and by becoming computer literate. The use of Purple Mash across the school underpins the curriculum needs for all of these areas. Where possible, links are made to each class topic.

Implementation:

Computing at Wincheap Primary is taught in a number of ways.

In the Early Years, the approach is through cross-curricular learning with an emphasis on hands on experiences and is assessed through the Understanding the World area of learning. Teaching is through context-based and role-play experiences using many resources such as programmable toys.

From Year One upwards, we use Purple Mash as a cohesive scheme of work addressing the statutory aspects of the National Curriculum which enables pupils

to build on their knowledge in computing year on year. As a school, we believe in delivering fun and engaging lessons which help to raise standards and allow all pupils to achieve to their full potential.

All computing lessons begin with the children acknowledging the online safety rules, which are adhered to across the school community.

Impact:

Work completed through Purple Mash is saved electronically in the children's personal document folders allowing teachers to assess and monitor the progress throughout these lessons and through the computing curriculum.