



Henleaze Infant School Computing Curriculum



Intent

At Henleaze Infants School we believe that competence in computing skills are key in children's success in education and their future careers. We recognise that the world of technology is rapidly evolving and therefore teach the children skills that they will need to adapt to these changes. Their ability to problem solve and their critical thinking skills are central to their ability to evaluate and apply the constant developments that take place within the digital world. We teach them how to use technology safely both at school and at home. We aim to provide our children with fun and engaging learning experiences in Computing and to use computers and technology across the curriculum to enable them to be enthusiastic and confident users of technology.

Implementation

In Computing, we use Purple Mash to support the planning of lessons and pupils in KS1 have their own individual logins for this, so that they can access from home as well as school. We have selected the units from Purple Mash that best suit our school, as well as incorporating a few lessons of our own that use other apps or programs, to broaden pupils' experiences.

Online Safety is an important part of a Computing curriculum and is addressed, with the help of our whole school E-Safety Rules, throughout the year. In addition, we have a particular focus on Online Safety in Term 3, to coincide with Safer Internet Day. Each year group has a different Digiduck book to focus on a different aspect of online safety as a part of this, with follow up activities. There are also KS1 and Reception assemblies delivered to those year groups, as well as information sent out and highlighted for parents/carers in our newsletter with regards to how they can help to keep their children safe online.

Children primarily use iPads in Computing sessions, but do build in other opportunities where they can use Chromebooks also to broaden their experiences. We also build in

opportunities for pupils to use iPads to practise key skills in maths and phonics, using various games and apps. As well as our Purple Mash subscription, we have subscriptions to Numbergym and Bug Club so that Computing can support across the curriculum.

Reception

In Reception, each class has an assigned day per week where the iPads are out and each child will get an opportunity to use these then as part of their provision. They have access to a specific section of Purple Mash, called Mini M-ash, which is an area specifically for Reception pupils to explore, which they are introduced to during whole class carpet times and can then follow up using during their iPad times. At various times throughout the year these iPad sessions will have a more directed task set by the teacher, for example in term 3 using a drawing program to create a picture of a snowflake, relating to their topic Cold Places. Bee bots are also introduced as part of their provision in term 3. They also have access to pretend phones, card readers, tills and other devices to allow them to explore uses of technology.

KS1

Our KS1 Computing curriculum has a different unit taught each term (with a total of 6 units per year group), these are of varying length and lesson numbers and focus on different skills. Three of these units; Coding, Online Safety and Spreadsheets are covered in both Year 1 and 2, but are designed to offer progression and build on skills previously taught. Coding is one of the bigger units that is taught, as we feel the problem solving skills developed in these sessions are vital. The other 3 units are specific to that year group and this is to allow pupils to experience using a wide range of skills and different uses of computers. These include work on algorithms (instructions), animation, photo editing, word processing and music composition.