

Computing on a page at Travis St Lawrence

Intent

At Travis St Lawrence CE Primary School, computing is an integral part of modern day life and therefore provides a wealth of learning opportunities, explicitly within computing and also across other curriculum subjects. All of our children have access to a range of technology and are provided with the opportunity to explore, develop, and build upon a variety of fundamental, computing skills to equip them with the knowledge, skills and understanding to thrive in today's technological world. Our intention is that we ensure that the abilities our children are equipped with are effective and transferrable life-skills to help them thrive not only within, but also beyond Travis St Lawrence making them creative, independent and resilient learners. Computer science is at the core of the teaching of computing, where pupils are taught the key principles of information and computation, how digital systems work and how to apply this knowledge through coding and programming. Teaching also ensures that pupils are digitally literate meaning that they can use communication technology to express themselves and develop their ideas using a range of platforms. The teaching of computing also ensures that our pupils are digital citizens equipping them with the skills required to stay safe online and the knowledge of what to do if they do feel unsafe.

Implementation

The national curriculum for computing aims to ensure that all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- are responsible, competent, confident and creative users of information and communication technology.

The scheme Purple Mash ensures that there is a regularly updated platform of planning that progression through from Foundation stage to Y6. Each year group has units to follow over the year; these units progress throughout the curriculum e.g coding follows the children through the years but is age appropriate.

Computing lessons are delivered weekly by staff and are set as 'to do's' via purple mash. This enables the children to access the lesson independently using their profile (which is also where they can save their work.) Staff can then give individual feedback to children via their accounts.

Impact

By the end of their education at Travis, our learners will have gained a broad and balanced knowledge and exposure of Computing and will have a wide range of transferable skills. We aspire for children to have the knowledge to explore, understand and navigate the modern world and to be able to access technology appropriately. By the time our learners leave us, we want them to be prepared for the ever changing climate and the real world of technological advances. This will be measured by:

- Assessment tasks and regular knowledge check activities.
- In school attainment tracking.
- Children assessing their own understanding at the end of each lesson by reviewing their success against the learning objective.
- The ability to ask questions and have discussions.
- Subject leader learning reviews
- Monitoring of purple mash and feedback from staff (subject leader)
- Pupil voice