

Thurgoland CE Primary

The Computing Curriculum



Intent

Through our computing curriculum 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 in order to flourish. We want our pupils to be able to operate in the 21st century workplace and we want them to know the career opportunities that will be open to them if they study computing. We want children to become independent users of computing technologies, gaining confidence and enjoyment from their activities. We want the use of technology to support learning across the entire curriculum and to ensure that our curriculum is accessible to every child. Not only do we want them to be digitally literate and competent users of technology but through our computer science lessons we want them to develop creativity, resilience, problem-solving and critical thinking skills. The computing curriculum allows our pupils to develop an understanding of fundamental British Values, as it develops an understanding of themselves and their rights as individuals within their community but also as members of a wider global community and as responsible digital citizens.

Implementation

The National Curriculum 2014 is linked to the schemes used -primarily Switched on Computing and Purple Mash resources. Long term planning ensures that pupils cover key areas of the computing curriculum, for example:

- programming and bug fixing
- communication ie through blogging, email, wikis
- datahandling
- research
- a range of apps and computer programs: drawing, recording including music making.

Each area is revisited as pupils move through the key stages to enable them to build on and deepen previous learning. This ensures that pupils acquire the necessary skills and knowledge to make progress and achieve well in this subject.

Throughout each unit, key areas of e-safety have been identified and are taught. E-safety is also reinforced during PSHE lessons and during e-safety and anti-bullying week.

Discrete IT lesson are taught weekly and pupils have access to an IT suite, ipads and laptops. Where ever possible, links are made to other areas of the curriculum: for example children can apply their research skills in history, and their datahandling knowledge in maths and

science. IT is used to support learning at all levels, and carefully identified apps and programs enable SEND pupils' to access learning across the curriculum, for example Nessy and Reading Eggs.

Children are given feedback verbally during lessons in order to make progress. Throughout a unit, teachers assess pupils' progress and give additional support or challenge where needed. At the end of each term, pupils are assessed as either working below, at or above the expected standard for their year group.