



COMPUTING

Intent

Computers are part of nearly every aspect of modern life. Through teaching computing, we intend to equip children to participate in a rapidly-changing world where work and leisure activities are increasingly transformed and enhanced by technology. Computing skills and knowledge are a major factor in enabling children to be confident, creative and independent learners, which is what we want for all pupils at Inmans. We intend to give our pupils the knowledge and understanding that will be essential for a future which is going to be heavily reliant on computers and technology along with the necessary skills and experience to access the opportunities and challenges that they will encounter. This includes enabling them to be independent critical thinkers who can use their knowledge and understanding to problem solve. At Inmans, we believe it essential that children learn how to use a wide range of technologies and are exposed to a variety of software to build their knowledge and confidence in computing. It is our intention to ensure that all our pupils receive this exposure and become familiar with many areas of computing through the teaching of our curriculum.

Implementation

To ensure that we achieve our intent, at Inmans we teach the computing curriculum by following the NCCE Teach Computing Scheme. By following this scheme of work, we ensure that all children receive full coverage of the curriculum in a progressive way that builds on their knowledge and skills as they progress through school. All year groups teach five to six modules per year, with six lessons in each module that cover a wide range of technologies and skills. Children will have the opportunity to access various practical activities along with written work depending on the module and what the learning goals are. Teachers will ask engaging questions and encourage children to ask questions based on their learning to further develop their skills, knowledge and understanding. Assessment for learning will take place during lessons and at the end of modules to ensure that misconceptions are addressed and so that the children make good progress in their computing lessons. Our main aims for implementation are as follows:

- To meet the requirements of the new national curriculum programmes of study for computing.
- To enable children to become autonomous, independent users of digital technology, gaining confidence and enjoyment from their activities.
- To use computing as a tool to support teaching and learning across all areas of the curriculum, creating cross curricular links where possible.
- To provide children with opportunities to develop their computing capabilities in all areas specified by the Curriculum.

- To ensure children have a sound understanding of the importance of online safety.
- To have a whole school approach to computing which ensures continuity and progression for all pupils

The NCCE curriculum does not cover EYFS so Inmans uses sessions from Barefoot Computing which develops simple computational thinking to prepare the pupils for the NCCE curriculum starting in year one.

Impact

The impact of our curriculum is that throughout their time at Inmans, our pupils will demonstrate progression in their computing skills and complete a variety of tasks and projects related to the computing curriculum. Children will build on skills learnt in previous year groups and leave Inmans with a broad understanding of computing and the ability to use their computing skills to help them solve problems and achieve outcomes. These skills will also translate into other areas of the curriculum including English, mathematics, science, design technology, geography, history and art. Finally, our pupils will leave with a solid understanding of online safety, the risks which they may face and how to deal with these risks. In short, the computing curriculum at Inmans will prepare our pupils for their future lives and careers.