Computing

Intent

The computing curriculum at Clara Grant is designed to progressively develop children's skills in computing. This takes place through combining both cross-curricular and discretely taught lessons. We aim to develop children's computational thinking skills, knowledge of computer science concepts and application of digital literacy skills. We want our children to use technology to create digital content that enables them to express themselves and develop their ideas as active participants in a digital world.
Our commitment to the teaching of how to use technology safely and respectfully underpins our approach at Clara Grant. Teaching and learning within the computing curriculum empowers children to become digitally confident in their daily lives which helps to prepare them to become independent users of technology beyond the classroom.

Implementation

Teachers are continually updating their computing subject knowledge as a result of quality training and support from leaders. This enables them to plan engaging learning experiences that develop digital understanding and reasoning.
We have designed a computing curriculum based on the Twinkl scheme of work that creates opportunities for skills to be applied across a wider range of subjects, giving pupils ample opportunities to practise and refine their skills. This ensures that there is a progression of knowledge and skills that the children can build on each year within the computer science aspects of the curriculum.
The use of google Classroom allows children to collaborate and engage with school work at home, responding to Topic material, and assignments posted by teachers. They are able to respond to questions, submit suggestions and tinker with online coding software in a social yet structured environment, further developing their skills to become good digital citizens.

Impact

Clara Grant teachers' enthusiasm and passion about computing inspires and motivates pupil . As a result, children demonstrate a growing understanding of important concepts in the computing curriculum and are able to make connections within the subject. Children develop transferable knowledge, skills and understanding. Pupils across the school show high levels of originality, imagination, creativity and innovation in their understanding and application of skills in computing. We use a variety of strategies to evaluate the knowledge, skills and understanding that our children gain as they progress across the school:

- CPD to ensure that teacher pedagogy and assessment is secure.
- regular verbal feedback and pupil voice feedback.
- subject monitoring, including Pupil Drive looks and learning walks.

Enrichment

Children at Clara Grant are given many enriching opportunities as part of the wider computing curriculum. Our after-school club provision includes a coding club where children with interests in computer science are able to further pursue their passions with code and robotics.

- Amazon trip
- IT & Maths day- Programming Robots
- Lloyd's Coding Club
- Safer Internet Day
- Parent training
- Reception safe devices workshop