Computing & E-Safety

intent, implementation, impact

intent

At Clover Hill we provide a high-quality computing education which is fully inclusive and accessible to every child. We aim to equip children to become digitally literate to participate in the rapidly changing world.
We recognise the importance of teaching children how to use technology safely and appropriately. We will teach them about online safety, including how to protect themselves, their personal information and communicate respectfully online.
Our teaching allows the children to gain secure knowledge and skills which will encourage them to use ICT to develop ideas, express themselves, solve problems and become computational thinkers. Computing skills allow children to become confident, creative and inquisitive learners who are able to be critical and challenge themselves.

implementation

Computing & E-Safety Implementation

Clover Hill, we deliver a structured and progressive computing curriculum that ensures all children develop the skills, knowledge, and understanding necessary to become competent, responsible, and creative users of technology. Our curriculum follows the National Curriculum for Computing, integrating three key areas: Computer Science, Information Technology, and Digital Literacy.

Curriculum Design and Delivery

- We implement a well-sequenced computing curriculum that builds upon prior learning and ensures progression from Early Years to Year 2.
- Computing lessons incorporate both plugged (device-based) and unplugged (offline) activities to deepen conceptual understanding.
- Teachers use a combination of direct instruction, guided practice, and independent tasks to enhance computational thinking and problem-solving skills.
- A variety of software and hardware are used to enrich learning experiences, including coding platforms, interactive simulations, and digital media tools.

E-Safety Education

- E-Safety is embedded across the curriculum and taught explicitly through computing and PSHE lessons.
- Pupils learn how to use the internet safely, protect their personal information, and recognise potential online risks.
- We engage with national initiatives such as Safer Internet Day to reinforce responsible digital citizenship.
- A whole-school approach ensures that pupils, parents, and staff are aware of best practices for online safety through workshops, newsletters, and online resources.

Inclusion and Accessibility

- The computing curriculum is adapted to meet the needs of all learners, including those with SEND and EAL, ensuring equal access to high-quality education.
- Assistive technologies and personalised support strategies are employed to help every child engage with digital learning effectively.

Assessment and Monitoring

- Formative assessments are conducted through observations, questioning, and evaluation of digital projects.
- Summative assessments measure progress against age-related expectations and inform future teaching strategies.
- Computing subject leaders conduct regular monitoring through lesson observations, work scrutinies, and pupil voice feedback to ensure high standards and continuous improvement.

impact

Computing & E-Safety Impact

The effective implementation of our computing and e-safety curriculum ensures that children leave Clover Hill well-prepared for Key Stage 2, with the foundational skills and confidence to advance their digital learning.

Strong Foundations for KS2 Learning

- Pupils develop a secure understanding of fundamental computing concepts, coding principles, and digital literacy skills that will be built upon in KS2.
- They gain confidence in using technology for problem-solving, research, and creative expression, ensuring a smooth transition to more advanced digital learning.

Safe and Responsible Digital Citizens

- Children understand how to navigate the online world safely, recognising risks and making informed choices.
- They develop responsible online behaviours, including respecting digital boundaries and protecting personal information, preparing them for increased independence in KS2.

Confidence and Independence

- Pupils are encouraged to explore technology with curiosity and resilience, fostering a growth mindset that supports their KS2 learning journey.
- They are able to use digital tools independently to communicate, collaborate, and create, ensuring they enter KS2 with essential ICT skills.

Preparation for Future Computing Challenges

- Our structured computing curriculum equips pupils with the necessary skills to tackle more complex coding, data analysis, and computational thinking challenges in KS2.
- By fostering adaptability and digital problem-solving skills, we ensure children are ready to embrace new technologies and challenges with confidence.

By prioritising digital competence and e-safety, Clover Hill provides a strong foundation for pupils to succeed in Key Stage 2 and beyond, ensuring they develop into skilled, responsible, and innovative users of technology.