

INTENT—We aim...

To **inspire** and **excite** every child about computing, nurturing their **curiosity** and **creativity**.

To give **all learners the knowledge and skills to stay safe online** and know where to seek support from.

To provide children with a bank of **key skills** and **secure knowledge** within **Computer Science, Digital Literacy** and **Information Technology**.

To provide all children with the opportunity to develop their **Computational thinking** skills through **programming, debugging** and **articulating** their understanding.

To offer a flexible curriculum that focuses on taking **small steps** to secure learning so children can remember more.

To emphasise subject specific **vocabulary** to enrich and support understanding of computing.

IMPLEMENTATION—How do we achieve our aims?

At Hamstel Infant School and Nursery we provide a high-quality education that equips our children with the foundational knowledge and skills to thrive in a digital world. It is implemented through a blend of explicit teaching, practical activities, and cross-curricular links to enhance pupil understanding and application of computing concepts.

Key Stage 1

Computing across the curriculum

We ensure to provide **opportunities** for the children to be exposed to technology across a wide range of subjects that are taught. They develop their **research skills** in subjects such as **History** and **Literacy**, access applications to **develop** and **consolidate** their **mathematical knowledge, experiment** with musical apps to create their own **compositions** and **explore** maps closely for **Geography**. They also continue developing their skills at home when accessing **Class Dojo** for home learning.



Online Safety

Online safety is **critical** to ensure all children know how to stay safe in an **ever-changing digital world**. To ensure the safety of our children, we have created a **bespoke online safety** curriculum which enables the children to think critically about the online information they read and other content they may be exposed to online. Children will have a better understanding of how to **stay safe** and **behave online** and know how to **seek support** at any time.



Oracy and Vocabulary Development

Carefully planned sequenced lessons and opportunities for **rich classroom discussions** enable children to learn and use **deliberate subject specific vocabulary**. This is modelled by adults and the use of **Stem Sentences** provide structure so the children can practice and use the new vocabulary in the correct context.



Hamstel Headlines

Our **Hamstel Headlines** drive our **commitment** to all children receiving quality first teaching in computing. All staff have **high expectations and demonstrate excellent subject knowledge**. **Staff encourage collaborative and independent learning** and create a **safe atmosphere** where all children are able to **build confidence** in their computing skills. **Assessment for learning** is used in all lessons to ensure that knowledge is **secure** and that opportunities for next steps or support are identified in the moment and for future lessons.



Computing in the EYFS is primarily **delivered through continuous provision**. This foundational stage sets the groundwork for the development of essential computing skills that extend into Key Stage 1. Children in EYFS learn the fundamental skill of mark-making and develop the ability to give instructions to their peers. They are introduced to **recognising different forms of technology** and begin to discuss their features. As they progress through KS1, the skills initiated in EYFS form the basis for more advanced learning in computing.

Whole School

Assessment



Using our **progression grids** and **expectations** for the end of EYFS and Key Stage 1, teachers are able to understand the content previously taught and their next steps. In EYFS, the **assessment checkpoints** are used to inform judgements. In **Key Stage 1** the computing skills and reasoning are assessed by the teacher during each lesson and at the end of each term, using quizzing. This formative strategy is used to **review** what learning has stuck in their **long term memory** and **plan future lessons** in response. Explicit success criteria's help our children understand the learning outcomes and are referenced throughout the lesson. Previous learning is reviewed at the beginning of each lesson to assist teachers' AFL. **Effective questioning and feedback strategies** such as **show me boards, three tick answers, think pair share** are used in the classroom and Computing Suite to provide feedback and ensure misconceptions or gaps are addressed.

Sequenced Planning and Progression

Well planned and sequenced lessons ensure that all children are supported and challenged based on their needs. We ensure that all children are receiving the same **quality teaching** and are provided the same opportunities regardless of their starting points.

Enrichment



We place a **strong emphasis on nurturing our students' passion** for technology and computing through enrichment activities. To achieve this, we offer two distinct clubs that aim to develop and cultivate their skills in these areas. The **Computing Club** is dedicated to **enhancing the children's proficiency in computing by providing hands-on experiences** and learning opportunities outside the curriculum. Through engaging projects and activities, students are encouraged to explore various aspects of technology, such as coding, digital design, and problem-solving. In addition, our **Media Team** provides children with the **unique opportunity** to become **school journalists**. Equipped with special passes, team members can cover and report on different school events, honing their communication skills and creativity in the process. These enrichment clubs not only supplement our children's academic learning but also foster **a deeper appreciation for technology and media in a fun and interactive way**.

IMPACT—How will we know we have achieved our aims?

Our computing curriculum will ensure that all children are **exposed to a wide variety of language and vocabulary**.

All children will be able to **creatively and expertly use technology** for a variety of uses and purposes.

All children will **understand the importance of keeping personal information private** and how to **navigate technology and the internet safely**. They will be able to discuss any issues with the appropriate person.

All children will be equipped with the skills they need to **consolidate, challenge and develop their interest** and progress in the subject. They will also be **resilient in an ever changing digital world**.

Our computing curriculum will enable children to **independently and confidently navigate** and manipulate the content they create using technology.