

Intent: What do we want children to learn?

At Haydon Wick Primary school, we aim to prepare our learners for their future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever changing digital world. Knowledge and understanding of ICT is of increasing importance for children's future both at home and for employment. Our Computing curriculum focuses on a progression of skills in digital literacy, computer science, information technology and Online safety to ensure that children become competent in safely using, as well as understanding, technology. Our intention is that Computing also supports children's creativity and cross curricular learning to engage children and enrich their experiences in school.

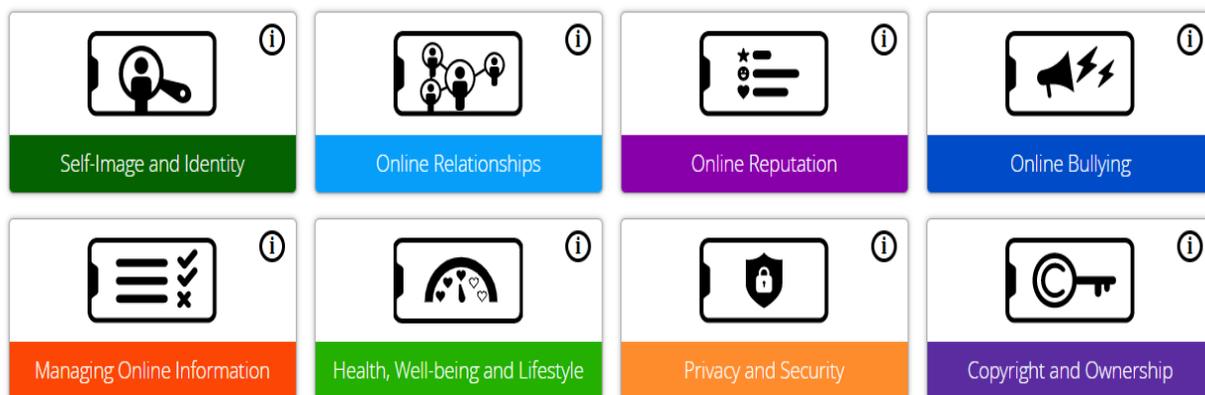
Computing in a Nutshell



Implementation: How do we do it at Haydon Wick?

We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. To ensure a broad range of skills and understanding, Computing is taught across three main strands: Digital Literacy, Computer Science and Information Technology. As part of Information Technology, children learn to use and express themselves and develop their ideas through ICT. Within digital literacy, children develop practical skills in the safe use of ICT and the ability to apply these skills to solving relevant, worthwhile problems for example understanding safe use of internet, networks and email. In Computer Science we teach children to understand and apply the fundamental principles and concepts of abstraction, logic, algorithms and data representation. Also to have repeated practical experience of writing computer programs in order to solve problems. At Haydon Wick Primary School, we give children access to a wide range of resources and provide cross curricular opportunities for children to apply their Computing knowledge and skills. Online safety is an essential part of each Computing lesson and is further embedded into school life via special weeks and days, visitors and reading books. Online safety is regularly communicated with all staff and parents and is ever changing as the needs of the pupils adjust.

Online Safety strands at Haydon Wick



Impact

The implementation of this curriculum ensures that when children leave Haydon Wick Primary School, they are:

passionate by the use of information technology

Inquisitive learners and problem solvers

able to challenge themselves

willing to demonstrate their skills and understanding of computing

able to advocate safe use of online technologies whilst being aware of how to keep safe and report concerns