

Computing

Intent, Implementation & Impact



Intent

Over the last century, the world has advanced so much that an understanding of computing has gone from being a specialism to an everyday necessity. At North Kidlington School we ensure that we provide our children with an engaging computing education that enables them to flourish and engage with the digital world. Our computing scheme is embedded into the wider curriculum and our aim is to fully integrate the use of computing into all subject areas for example; creating digital artwork or writing for different purposes using word processing. Where possible, computing is not a standalone lesson but instead a tool to enhance their learning in these other areas. We create strong foundations as early as Reception by giving children access to iPads, online interactive learning games and other digital technology. KS1 children learn many new skills, for example how to use Chromebooks to combine text and graphics, explore the world with virtual maps and control devices both physical and online. In KS2 they take these initial skills to the next level by creating computer games, presentations and so much more. Digital technology is always close at hand and our children enjoy using Chromebooks to answer questions, fact check and carry out research about their learning. Online Safety is delivered every year by all departments through our Computing and RSHE curriculum. We reinforce the dangers of the digital world at an appropriate level. Children are taught how to speak out when they see something unpleasant online and this provides opportunities for extra class discussions about staying safe. Looking forward, we hope to be able to provide support for parents with keeping their children safe online.

Implementation

As a school, we follow both the NC and our own detailed progression of skills development documents to ensure comprehensive coverage of objectives. Other ways that we develop deep knowledge, understanding and skills is through:

- **Cross-curricular** – We embed computing skills across all subject areas and value the impact technology can have to enhance learning.
- **Constant access to technology** – The children have access to Chromebooks and iPads in their classrooms every day. Each department has enough for a whole class when needed.
- **Creativity** – Staff use computing creatively throughout lessons and children are encouraged to use technology in varied ways to create different results.
- **Access to experts** – Through our Technical Computer Support Service (123ICT) we have access to professionals who are able to train staff and lead lessons. They also ensure we are as up-to-date as our school can be.
- **Well resourced** – We have a large quantity of hardware and software ensuring we can meet the needs of the computing curriculum.
- **Ambitious** – At North Kidlington School we embrace new technology and we encourage the children to do the same. We challenge them to explore programmes
- **Independent** – opportunities for children to steer their own learning.

SEND

We use digital technology to enable pupils with additional needs to access all subjects during the school day. Where needed, children with SEND have their own Chromebook to use in class at all times. This ensures their access to the curriculum or productivity is not inhibited or adversely affected by fine motor skills. We also provide additional opportunities using technology for extra-curricular learning in the form of logins and passwords as well as Chromebooks at home.

Disadvantaged

The integration of Chromebooks throughout our entire curriculum provides children with exposure to current digital technologies. Families needing devices at home are supported by the provision of a school Chromebook or other digital provision. Extra-curricular opportunities using digital technology are offered to children identified in this category including Reading Eggs, Maths Seeds and Coding Club.

Pupils are active and questioning in Computing and have secured the key knowledge and skills as directed by the National Curriculum. At NKS, we use a three-tiered approach to monitor the impact:

1. Assessment is used to shape future learning, both for the individual child and for future cohorts. In computing we use the following assessment methods: live assessments; discussions; practical tasks; rubrics; targeted questioning and account checks. All assessment is purposeful and should not create an onerous workload for teachers.
2. Regular pupil progress meetings, structured conversations, parents evenings, SEN reviews and pupil voice ensure there is parity for all groups of pupils.
3. Information is verified through oversight by Subject Cluster Groups, school leadership and the governing board.