



Northway Infant & Carrant Brook Junior Schools

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Computing Intent, Implementation and Impact

Intent & Implementation

At Northway Infant and Carrant Brook Junior Schools, we recognise the importance of the computing curriculum (Teach Computing) including online safety. We aim to empower all children with the knowledge, skills and confidence to participate effectively and safely in a rapidly changing digital world. We believe that computing is essential for preparing children to become digitally literate, creative thinkers and responsible citizens.

We aim to ensure that all pupils understand what algorithms are and can create and debug simple programs. Children will use technology purposefully to create, organise, store, manipulate and retrieve digital content and recognise common uses of information technology beyond school. Technology is always used safely and respectfully and children know where to go for help and support if they have concerns about content or contact on the internet or other online technologies.

Children will engage in computing days such as 'Safer Internet Day' where both schools have a specific internet focus and learning is planned and delivered around this theme.

Our computing curriculum is structured in four areas that allow all pupils from to progress through different categories of knowledge. These are computing systems and network, creating media, programming and data and information.

Community Connections

At Northway Infant School, Tewkesbury, we recognise that computing plays an important role in everyday life and future careers. Through our computing curriculum, we help children make meaningful connections between their learning in school and the wider community. Pupils explore how technology is used locally and globally, developing digital literacy, creativity and problem-solving skills.

We encourage families to support safe and positive technology use at home, helping children become confident, responsible and respectful digital citizens who can engage successfully with the modern world.

Enrichment and Cultural Capital

Children will link their experience of computing and digital technology with real world experiences, understand how computing can enhance their world and how to stay safe with the latest technology. Children will use technology daily across the schools and in their home environments and we will make intrinsic links to daily life.

The infant children will also use the computer systems over at Carrant Brook Junior School to prepare for transition. Extra-curricular opportunities to engage in computing clubs.

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S Our children feel safe and confident using a range of ICT

H Stimulating challenges and engaging activities create a learning environment in which our children are happy

I Independence is encouraged, with children exploring technology themselves

N Computing gives us the opportunity to find different ways to complete tasks using trial and error

E We look at ways to improve our work and use technology to make things better

Two Schools One Community Opportunities

Computing provides opportunities for our children to work across both schools together. We engage in whole school themed days, eg internet safety day. Children from the infant school have the opportunity to go across to the juniors to use their laptops and help the transition into year 3.

Impact

Computing has a high profile across our two schools. Our children are confident using a wide range of hardware and software, and are diligent learners who value online safety and respect when communicating with one another. All children nurture a love of computing both in and out of school with this continuing into later life.

British Values

- ✓ **Democracy** - lots of collaborative activities where children will listen to others ideas and take turns
- ✓ **Mutual Respect** - cooperation and appreciation of others ideas, providing constructive feedback
- ✓ **Tolerance** - children gain an understanding of the wider online world
- ✓ **The Rule of Law** - the law around safety rules, reporting concerns, respecting online boundaries/laws (social media)
- ✓ **Individual Liberty** - personal freedom to make safe choices online and how to express themselves creatively using technology

What retention may be demonstrated?

Questions which may be used to assess understanding:

How can I keep myself safe using the internet?

How can digital technology help me do this?

How does my use of technology affect those around me?

Can you explain the algorithm needed here?

How did you improve your coding?