

Winnington Park Primary School and Nursery

Computing Policy



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Our Curriculum Vision

At Winnington Park Community Primary School and Nursery we aim to offer a creative and inclusive curriculum which inspires, engages and challenges and in which children are partners in their own learning.

Computing Vision

At Winnington Park, we believe that Computing is an essential skill for life. Computing capability encompasses not only the mastery of technical skills and techniques, but also the understanding to apply these skills purposefully, safely and responsibly in learning, everyday life and employment. Computing capability is fundamental to participation and engagement in modern society. Computing can be used to find, develop, analyse and present information, as well as to model situations and solve problems. Computing enables rapid access to ideas and experiences from a wide range of people, communities and cultures, and allows pupils to collaborate and exchange information on a wide scale. Computing acts as a powerful force for change in society and citizens should have an understanding of the social, ethical, legal and economic implications of its use, including how to use Computing safely and responsibly. Increased capability in the use of Computing supports initiative and independent learning, as pupils are able to make informed judgements about when and where to use Computing to enhance their learning and the quality of their work.” (Qualifications and Curriculum Development Agency).

At Winnington Park, our vision is to empower every child to become a confident, creative and responsible digital citizen. Through the Purple Mash Computing Curriculum, we provide a rich, engaging and progressive learning experience that equips pupils with the knowledge and skills needed to thrive in an ever-changing technological world.

We believe Computing should ignite curiosity, develop problem-solving skills and nurture resilience. Our pupils learn to explore technology safely, to code with increasing independence and to use digital tools to work collaboratively and express their ideas. Through first-hand experience and cross-curricular opportunities, we inspire children to understand not only how technology works, but how it shapes the world around them.

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INTENT

We ensure that children are given opportunities to widen their knowledge and understanding of the world (local and wider community) and learn and apply skills which will make them

successful learners for life as well as enhancing their spiritual, moral, social and cultural development.

Children will become confident, independent and resilient learners who are willing to take risks. They will have high aspirations and be proud of their achievements. We aim to give everyone the opportunity to fulfil their highest potential, both academically and in respect of their wider interests and talents.

IMPLEMENTATION

Our children learn through a creative and skills based curriculum. We endeavour to engage our children in their learning, enabling them to achieve their full potential whilst at Winnington Community Primary School and thereafter as lifelong learners.

ICT for learning should support inclusive and innovative approaches to learning, whilst encouraging the personalising of the learning experience. This will enable our children to have access to personal study at anytime in a number of environments. ICT for learning will be able to be produced, submitted and marked electronically, developing independent learning within each child as well as facilitating parents to engage with their child's learning.

We celebrate and value all subjects and provide opportunities to apply, practice and develop key skills in all areas of learning. We have high expectations of achievement, progress, behaviour and presentation. Our children enjoy developing their learning through enhanced projects such as writing and reading weeks, art workshops, trips and residential.

IMPACT

“Well prepared children ready for the next stage of learning and life – happy and engaged.”

It is our absolute aim to ensure our children have the best possible opportunity to reach their full potential in a safe and fun learning environment. To ensure this aim is continuously achieved, Winnington Park Primary School incorporate a number of strategies, including pupil voice, school council, pupil and parent questionnaires, worry boxes, class books, displays, work books, photographs, website, learning journeys, charities, social media, community links, assemblies, educational visits, visitors to school, welcoming new pupils.

Computing Vision

The use of Computing is an integral part of the National Curriculum and is a key skill for everyday life. Computers, iPads, programmable robots, digital and video cameras are a few of the tools that can be used to acquire, organise, store, manipulate, interpret, communicate and present information. At Winnington Park we recognise that pupils are entitled to quality hardware and software and a structured and progressive approach to the learning of the skills needed to enable them to become Computing proficient.

Aims

- To enable children to become autonomous, independent users of computing, gaining confidence and enjoyment from their activities.
- To develop a whole school approach to computing ensuring continuity and progression in all strands of the computing National Curriculum.
- To use computing as a tool to support teaching, learning and management across all areas of the curriculum.
- To provide children with opportunities to develop their computing capabilities in all areas specified by the Curriculum.
- To ensure ICT is used, when appropriate, to improve access to learning for pupils with a diverse range of individual needs, including those with SEN and disabilities.
- To maximise the use of computing in developing and maintaining links between other schools, the local community including parents and other agencies.
- To safeguard our children and ensure that they are aware of the dangers and benefits of using the Internet. Children are to know how to keep themselves safe online.
- Children to be equipped with the technological skills required to support and promote their independent learning.

Key Stage 1

Pupils should be taught to:

- Keep safe on the Internet; how to keep personal information private and who to speak to for help and support if they are unsure about the content of something on the websites they are accessing.
- Understand and create algorithms.
- Recognise common uses for technology outside of the classroom.
- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.

Key Stage 2

Pupils should be taught to:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
- Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Teaching and Learning

The medium term planning and the short term planning for computing ensures our progressive knowledge and skills document of the computing curriculum are delivered. The planning can be supported by using Purple Mash Online Teaching Resource. Adaptations are made to ensure the planning is progressive in developing pupil capability in each year group.

A key aim of teaching Computing is to equip children with the technological skills to become independent learners. In order to achieve this, the teaching style that we adopt is as active and practical as possible. As well as giving children direct instruction on how to use hardware or software, another emphasis of our teaching in Computing is for individuals or groups of children to use computers to help them to progress in whatever they are studying.

Online Safety

Winnington Park Primary School has a separate and comprehensive Online safety policy which outlines in detail the steps that the school takes to safeguard all children whilst using technology. All teaching staff are responsible to ensure the children are kept safe and will respond to any issues in accordance to the Online safety policy and following safeguarding procedures.

Spiritual, Moral, Social and Cultural Aspects

Raising awareness of SMSC is a paramount aspect of our curriculum at Winnington Community Primary School. Within the Computing curriculum SMSC can be found through deepening the awareness of the way in which Computing affects our culture, preparing children for the challenge of living and learning in a technologically enriched, increasingly inter connected world and making clear guidelines about the ethical use of the internet and other forms of e-communications.

Children will also understand the boundaries established in society by considering what is acceptable, an awareness of the moral dilemmas created by technological advances, appreciate how different cultures have contributed to technology, recognise other's achievements and share enjoyment as well as using ICT for developing, planning, sharing and communicating ideas.

Assessment, Record Keeping & Reporting

Assessment is an integral part of planning and practice and is carried out in a variety of ways, see the School's Assessment Policy for further details.

Equal Opportunities and Inclusion

Equality of opportunity at Winnington Park Primary School and Nursery means that all children, taking account of gender, age, ability, disability, ethnic origin, faith, culture, social circumstances and sexual orientation have full access to all the curricular, pastoral and social opportunities offered by the school.

Health and Safety

The general and legal requirements for Health and Safety are covered in the school's Health and Safety policy document.