Askam Village School – Everybody Matters, Every Moment Counts

Curriculum statement for the teaching and learning of Computing 2023-2025

Intent

At Askam Village school computing provision aims to teach our children to engage in an ever-changing world where work and leisure activities are being innovated by technology. It is our intention to enable children to find, explore, analyse, exchange and present information in a safe, responsible, and respectful manner. We also focus on developing the skills necessary for children to be able to use information in a discriminating and effective way. Our computing curriculum based upon the Teach Computing package enables children to develop their problem solving and reasoning abilities. It enables children to understand and apply the essential principles and concepts of Computer Science, including logic, algorithms and data representation, analyse problems in computational terms, and have repeated practical experience of writing computer programs to solve such problems. Computing skills are a major factor in enabling children to be confident, creative and independent learners and it is our intention that children have every opportunity available to allow them to achieve this.

Underpinned by

The teaching of skills	The application of skills	The teaching of knowledge	Vocabulary	Online safety
Pupils will be taught how to use a range of computer software, including spreadsheets, databases, email systems, word processing, multimedia presentations, app development, control programming and coding.	Askam pupils are given regular opportunities to apply the skills that they have been taught to support their learning in our other curriculum subjects. Previously learned skills are returned to so they can build upon these regularly across the computing curriculum	The curriculum is carefully planned to reinforce knowledge from previous year groups and to build on this. Areas are revisited in various school years.	Children will be taught, understand, and use a range of appropriate vocabulary associated with computing. Key vocabulary is displayed in the computer suite, classrooms (during lessons) and in children's books	Askam pupils learn how to use mobile technology and the internet safely. Online safety is not only taught in computing lessons, but in PSHE lessons, assemblies and workshops.

Implementation

Curriculum Approach Pupils engage with weekly lessons from the Teach Computing Curriculum's units of work. Pupils are supported and stretched through the topics which build upon previously learned knowledge and skills. Pupils working at greater depth can broaden their knowledge and skills within these units. Skills established in computing lessons are used throughout the curriculum to support and enhance the learning.	**Health and Well-being** Throughout a child's learning journey at Askam, they will receive regular teaching and learning about health and wellbeing. This comes as at least one unit of work in each year group. Children also have regular opportunities through assemblies and workshops to consolidate this learning. Children are encouraged to think about a healthy balance of computer use and how to use the internet sensitively.	**Online Safety** Throughout a pupil's learning journey at Askam Village School, they will receive regular teaching and learning about online safety. This links to the document – Education for a Connected World, is covered in PSHE and as part of the Teach Computing curriculum. Pupils also have regular opportunities through assemblies and workshops to learn about the importance of online safety. Within school, pupils use the internet through a secure filtered system. All staff and pupils agree to an acceptable use policy for using the internet within and outside of school. The school website directs parents and pupils to where they can find helpful advice about how to stay safe online.
Sharing work Sharing work Pupils work in computing is saved in a year group folder on the school server. Some work is printed out to go in pupil's computing books to show the process of the work as the unit develops. Computing work is shown in assemblies alongside other curricular subjects. Work is shared with parents on open evenings.	**Questioning** Questions woven through the planning for the units of work allow children to think deeply and logically. Children working towards the learning expectation are supported through careful questioning and peer support. Children are also encouraged to ask their own thought-provoking questions and challenge each other in a respectful manner.	
Local Context Pupils are taught using relevant links to the local area and wider world. Children develop an understanding of how technology and information technology influences and supports their everyday activities	**Assessment** It is clear from progressions documents where teaching and learning in computing has gone before and what is planned for years ahead. Assessment of computing is ongoing and includes written exercises, practical tasks, talking to children and practical learning. In key stage 1 children are encouraged to feed back at the end of each lesson Formative and summative assessments are used in key stage2. At the end of each unit teachers record the level of every pupil on a class assessment sheet. (working towards, expected or greater depth)	**Resources** Children at Askam have access to a range of resources to support learning in computing particularly those supported/recommended by the Teach Computing Curriculum.

Impact

By the end of Key Stage 2, children are expected to know, apply and understand the matters, skills and processes specified in the computing programme of study.

PUPIL VOICE	EVIDENCE IN KNOWLEDGE	EVIDENCE IN SKILLS	BREADTH AND DEPTH
Talking to pupils throughout the year groups show pupils enjoy the units of work. They take pride in problem solving to ensure their product works correctly. When asked, pupils can explain how to stay safe online and what to do when they see something that makes them feel unsafe.	Pupils understand where their knowledge fits into the outside world and why it is important to learn about computing technologies. Children can articulate themselves using acquired vocabulary from the computing units of work. Children know how to keep themselves and others safe online and where to get help.	Pupils can apply their skills to solve new problems and explain how and why they solved them. Pupils are confident at explaining their work to people and their work is at an expected or greater standard.	Some pupils have developed their ideas beyond the expected example for the end of unit product. Pupils are confident in explaining their thoughts and feelings about their work and are reflective about their working process