Hinguar Primary School and Nursery Computing Statement

Intent

At Hinguar Primary School, we understand the immense value that technology plays not only in supporting the Computing and whole school curriculum but overall in the day-to-day life of our school. Our aims are to fulfil the requirements of the National Curriculum for Computing whilst also providing enhanced collaborative learning opportunities, engagement in rich content and supporting pupil's conceptual understanding of new concepts which support the needs of all our pupils, whilst keeping online safety at the forefront of their minds. We believe this will give our children the tools they need to succeed in a digital world.

"A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world...core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content." National Curriculum

The aims of our Computing curriculum are to;

- Provide an exciting, rich, relevant and challenging Computing curriculum for all pupils.
- Teach pupils to become responsible, respectful and competent users of data, information and communication technology.
- Provide technology solutions for forging better home and school links.
- Enthuse and equip children with the capability to use technology throughout their lives.
- Teach pupils to understand the importance of governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Utilise computational thinking beyond the Computing curriculum.
- Give children access to a variety of high quality hardware, software and unplugged resources.
- Equip pupils with skills, strategies and knowledge that will enable them to reap the benefits of the online world, whilst being able to minimise risk to themselves or others.
- Exceed the minimum government recommended/statutory guidance for programmes of study for Computing and other related legislative guidance (online safety).

- Instil critical thinking, reflective learning and a 'can do' attitude for all our pupils, particularly when engaging with technology and its associated resources.
- Use technology imaginatively and creatively to inspire and engage all pupils, as well as using it to be more efficient in the tasks associated with running an effective school.
- Understand and follow the SMART E -Safety rules
- Understand the E-safety messages can keep them safe online.
- Know who to contact if they have concerns.
- Apply their learning in a range of contexts, eg at school and at home.

Implementation

At Hinguar to ensure high standards of teaching and learning in computing we implement a curriculum that is progressive throughout the whole school. We follow the Purple Mash Computing Scheme of Work from Reception to Year 6. The scheme of work supports our teachers in delivering fun and engaging lessons which help to raise standards and allow all pupils to achieve to their full potential. We are confident that the scheme of work more than adequately meets the national vision for Computing. It provides immense flexibility, strong cross-curricular links and integrates perfectly with the 2Simple Computing Assessment Tool.

When teaching computing teachers should ensure learning is engaging, broad and balanced by following the children's interests. Teachers should ensure that ICT and computing capability is achieved through core and foundation subjects.

Computing lessons are broken down into weekly units, usually with two units per half-term. The repetition of a unit means pupils are building on established skills whilst also embedding previous concepts. Units are practical and engaging and allow computing lessons to be hands on. Units cover a broad range of computing components such as coding, spreadsheets, Internet and Email, Databases, Communication networks, touch typing, animation and online safety. Through our Purple Mash subscription our Teachers can deliver thematic, cross curricular lessons that also follow children's interests and provide flexibility. Purple Mash has an online portal of age-appropriate software, games and activities as well as topic materials and materials for other subjects to support children's learning. Through pupils computing lessons they will also use the Purple Mash software to 'make music' using the 2Sequence program, design and make using the 2Animate software and make links with maths through spreadsheets using 2Calculate.

We have a wide range of resources to support our computing teaching including but not limited to, a computer suite with 16 computers in and an IWB, which each class has a minimum of one slot per week in, laptops, bee-bots, cameras, sound recording devices and data log boxes.

Computing and safeguarding go hand in hand and at Hinguar we provide a huge focus on internet safety inside and outside of the classroom. All pupils from Reception to Year 6 study an online safety unit through their computing lessons, we also take part every year in National Internet Safety Day in February. All pupils sign an E safety poster to ensure they know how to keep safe online. We also utilise outside E Safety experts The 2 Johns, who are highly experienced and knowledgeable to provide training to all children in KS2 about keeping safe online.

Impact

Our computing Curriculum is high quality, well thought out and is planned to demonstrate progression and build on and embed current skills. We focus on progression of knowledge and skills in the different computational components and alike other subjects discreet vocabulary progression also form part of the units of work. If children are keeping up with the curriculum, they are deemed to be making good or better progress.

We measure the impact of our curriculum through the following methods:

- Pupil discussions and interviewing the pupils about their learning (pupil voice).
- Governor monitoring.
- Moderation of staff meetings with opportunities for dialogue between teachers.
- Photo evidence and images of the pupils practical lessons.
- A reflection on standards achieved against the planned outcomes.
- Learning walks and reflective staff feedback.
- Dedicated Computer leader time.