Computing Policy

Person responsible: Head teacher
Ratified by the governing body: Autumn 2020
Date for review: Autumn 2023

Reverend Anne Marie –Renshaw

Chair of Governors

Every Child Every Chance Every Day

Computing Curriculum

Intent

Through their computing learning, pupils will be equipped to work in the rapidly evolving digital world. They will develop a love of computing that prepares them for life-long learning about technologies that don't even exist yet.
Our curriculum will help them to:

- Develop their understanding of computing science so they understand how systems work and are able to put this information to use through programming.
- Have access to a range of information technology so they are confident with using different technologies and are equipped to learn and work in the digital world.
- Be digitally literate so they are able to question what they read online and understand how to creatively express themselves in a respectful way.
- Have opportunities to apply their skills in a cross-curricular approach.

Implementation

Computing is introduced in Reception class with continuous provision activities using a range of technology. In KS1/2 it is explicitly taught through the Rising Stars programme where children are introduced to coding and taught to use multiple programmes and technologies. At Messing children are encouraged to be resilient and demonstrate a problem solving approach to learning including debugging when learning to programme and evaluate different IT. IT is often used as an engaging stimulus or purposeful outcome across the curriculum. E.g. the use of augmented reality to look inside the human body or visiting new places with the use of virtual reality. Children are able to make connections and apply skills they have learnt through a cross-curricular approach for example using green screen technology to present history learning. They are encouraged to use the correct terminology when explaining their ideas and are able to develop their reasoning skills through collaborative team projects. Children develop their reading skills through being taught to evaluate and question what they read online and regularly research and investigate using the internet. Progression takes the form of increased independent working and being encouraged to evaluate and effectively select the most suitable technologies to present their ideas and apply their skills. E-safety is embedded in every day classroom practice and across all subjects in the curriculum. Parents are kept up to date on the latest e-safety issues and how to support their child at home through regular e-safety supplements in the school newsletter. Children are taught to be respectful towards equipment and how to use it safely. They learn to be respectful towards others as they would in person and to question and evaluate what they read online. They understand that people have different views and ideas and know procedures for reporting inappropriate content. Children are encouraged to have healthy online habits and understand how to positively maintain their wellbeing and balance the digital world with the real world. Messing has excellent links with the local secondary school who provide IT support and opportunities for children to visit and experience new technology.

Impact

The impact of the pupils' Computing learning will be:

They are able to safely use different technologies and the internet presenting themselves appropriately and behaving respectfully towards others and their views. (**Respect**)
Children are able to independently problem solve and challenge themselves to continue to learn about new technologies. (**Resilience)**
They are able to work collaboratively, reason about their ideas using the correct vocabulary and question and evaluate what they see online. **(Reasoning)**

This will be assessed through formative a summative assessment of specific milestones including quizzes and discussions.