Computing: Statement of Intent, Implementation and Impact

Love, joy, peace, patience, kindness, generosity, faithfulness, gentleness, and self-control.
Galatians 5[22-23:]

"Technology is the pen and paper of our time and the lens through which we experience much of our world." David Warlick

Intent
We aim that all pupils:
- Will use information technology to create programs, systems and a range of content to become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology.
- Have full knowledge and understanding of Internet Safety and how to take **care** of themselves and others around them
- Are **inspired** and instilled with a desire to achieve the highest levels of success - through providing them with the opportunities to excel in terms of their acquisition of long lasting knowledge and understanding
- **Achieve** learning outcomes in relation to both knowledge and understanding, vocabulary development and key subject concepts

Implementation
Computing skills are planned and taught through the Purple Mash scheme within a carefully planned progression over a two-year cycle, with each cycle building on the previous one. Purple Mash separates the computing curriculum into eight main areas: coding and computational thinking; spreadsheets; internet and email; art and design; music; databases and graphing; writing and presenting; communication and networks.
Skills are developed progressively throughout their primary years and teachers also seek out opportunities for children to apply their knowledge and skills across the curriculum.

Resources
Children have access to a range of resources to enhance their computing skills acquisition, these include:
- Chromebooks
- iPads
- MacBooks
- Laptops
- Cameras
- Beebots
- Lego WeDo

Impact
Each session sets clear objectives and outcomes for the pupils, in terms of knowledge and understanding and skills acquisition. The scheme also suggests a range of ways in which the teacher can assess whether a pupil has achieved these outcomes. As we develop computing further, Formative assessments will assess the areas taught in greater depth and identify those that are below and above the Age Related Expectation.

Monitoring
Mentoring and training staff
Lesson Observations
Learning Walk
Pupil interviews
Pupil surveys
Work Trawl (screenshots/printouts)

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