

## **Computing Curriculum**

We aim to provide an exciting, rich, relevant and challenging Computing curriculum for all pupils using the Purple Mash scheme of work as a basis for wider exploration of technology and its connections to other curriculum areas, including Maths, Science and History. This supports children in becoming confident, competent and critical users of technology by giving them the skills, strategies and knowledge to excel in an increasingly digital world whilst having 'a sense of the history, the bigger story timeline of what they are learning.'<sup>1</sup> Teachers embed computing across the curriculum to support and enhance the children's wider curriculum work, applying their computing skills, developing their research skills and evolving their understanding of e-safety. <sup>1</sup>Mary Myatt, The Curriculum: Gallimaufry to Coherence 2018

See below an overview of the Computing Topics and see Computing Curriculum Progression in separate document.

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Computing Overview						
Year Group	Autumn Term 1	Autumn Term 2	Spring Term 3	Spring Term 4	Summer Term 5	Summer Term 6
EYFS	What is a computer?	Online Safety	Accessing apps	Re-creating stories	Communication through technology	Controls and commands
Year 1	Online Safety  Saving Work	Graphs- Pictograms  Introduction to algorithms	Debugging	Animating Story Books	Coding	Spreadsheets  Technology outside of school
Year 2	Coding	Online Safety  Spreadsheets	Questioning  Effective Searching	Creating Pictures	Making Music	Presenting Ideas
Year 3	Coding	Online Safety  Spreadsheets	Touch Typing	Email  Branching Databases	Simulations  Graphing	Presenting with MS PowerPoint

Year 4	Coding	Online Safety	Spreadsheets  Writing for Different Audiences	Logo  Animation	Effective Searching  Hardware Investigators	Making Music with Busy Beats
Year 5	Coding	Online Safety  Spreadsheets	Databases	Game Creator	3D Modelling  Concept Maps	Word Processing with MS Word
Year 6	Coding	Online Safety  Spreadsheets	Blogging  Text Adventures	Networks  Quizzing	Understanding Binary	Spreadsheets with MS Excel