



Bournville School Curriculum Intent Statement 21-22

Computing

At Bournville, our intended aims are fulfilled by providing a broad, balanced curriculum offer while ensuring the progression in the development of conceptual knowledge and skills. In Years 1 – 6 we use the Purple Mash scheme alongside E- Safety to provide a high-quality computing education. We have an emphasis on coding throughout the school as we feel that children will have limited opportunities to develop these skills outside of school. We also want to build a computing curriculum that prepares pupils to live safely in an increasingly digital society where pupils can evaluate and apply their computing skills; including new or unfamiliar technologies, analytically to solve problems. We also want to make sure that we focus on developing children's computing skills necessary for them to be able to use information in a non-discriminating and effective way.

The aims for teaching Computing in our school are:

- To understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- Are responsible, competent, confident and creative users of information and communication technology
- To fulfil the requirements of the National Curriculum for computing



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Computer Curriculum KS1 and KS2

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Online Safety & Exploring Purple Mash Grouping & Sorting	Pictograms Lego Builders	Maze Explorers	Animated Story Books	Coding	Spreadsheets Technology outside school
Year 2	Coding Safety	Spreadsheets	Questioning	Effective Searching	Creating Pictures	Making Music Presenting Ideas
Year 3	Coding	Online safety Spreadsheets	Touch Typing	Email (inc. email safety)	Branching Databases Simulations	Graphing Presenting
Year 4	Coding	Online safety	Spreadsheets	Writing for different audiences Logo	Animation Effective Search	Hardware Investigators Making Music
Year 5	Coding Online safety	Spreadsheets	Databases	Game Creator 3D Modelling	Concept Maps	Word processing
Year 6	Coding	Spreadsheets	Blogging	Adventures	Quizzing	Spreadsheets



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	Online safety			Networks	Understanding Binary	
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