Curriculum Ambitions for Computing at Parkside Community Primary School

Curriculum Ambitions	To ensure all children are confident, responsible users of computing devices	To search for, save and retrieve information	To understand understand debug and create algorithms	To understand and use computer programmes
Reasoning	Technology is a part of everyday life and as such children must know how to use technology safely.	Children need to know how to safely search for information online, how to store the information and to access/retrieve the information later	Computer programmes are used as part of everyday technology and to enhance our lives. It is fundamental to have a working knowledge of how they are created and function.	Children need to have knowledge of how to use a variety of computer programmes
Progression of Skills	Children will know how to report a concern to an appropriate adult, they will learn how to report and block online, they will understand the right to privacy and mental wellbeing of themselves and others	Children will know how to safely search online using a web browser. They will learn to save documents to a folder and how to open those documents.	Children will learn what an algorithm is and how to debug an algorithm. They will learn the language of coding. They will create simple input and output programmes.	Children will learn how to create word documents and edit the documents. Children will learn how to use tables and sort the information in tables. Children will use programmes to create music. Children will use programmes to present information.
Experiences we could offer	Internet Safety Day Ongoing digital safety workshops and lessons	Children will make cross-curricular links to search for information. They will learn how to create documents including audio and photos and to save these to a folder.	Children will use Purple Mash and the coding programmes to create games. Children will use beebots to control a device. Children will use offline devices or games to explore algorithms and debugging.	Cross-curricular links will be made so that children create slideshows, quizzes, non-fiction writing and data.