



Spring 1

EYFS	Year 1/2	Year 3	Year 4	Year 5	Year 6
Complete a simple programme on electronic devices	1.4 Lego Builders Intent: Children will compare the effects of adhering strictly to instructions to completing tasks without complete instructions. They will follow and create simple instructions on the computer. They will consider how the order of instructions affects the result. Sequence of lessons: - To emphasise the importance of following instructions - To follow and create simple instructions on the computer. - To consider how the order of instructions affects the result. 1.9 Technology outside School Intent: Children will walk around the local community and find examples of where technology is used. They will record examples of technology outside school. Sequence of lessons: - To find and understand examples of where technology is used in the local community. - To record examples of technology outside school.	3.5 Email Intent: Children will think about different methods of communication. They will open and respond to an email using an address book. They will learn how to use email safely. They will add an attachment to an email and explore a simulated email scenario. Sequence of lessons: - Communication- To think about different methods of communication. - Composing emails- To open and respond to an email. - Using emails- To learn how to use email safely. - Attachments- To learn how to add an attachment to an email. - Email Simulations- To explore a simulated email scenario	4.1 Artificial Intelligence Intent: Children will learn what is meant by Artificial Intelligence and understand the potential applications and impact of AI in the future. Sequence of lessons: - What is Artificial Intelligence? - How Artificial Intelligence can help us - The future of Artificial Intelligence - Artificial Intelligence in action	5.3 Spreadsheets Intent: Children will learn to use formulae within a spreadsheet to convert measurements of length and distance. They will use a spreadsheet to model a real life problem. They will use spreadsheet tools to investigate probability and use the count tool to answer hypotheses about common letters in use. Sequence of lessons: - Conversions of Measurements - Using formulae - Exploring Probability - Computational Modelling - Testing a hypothesis	No Computing this term
	Key Vocabulary: Algorithm, Code, Computer, Debugging, Instructions, Program, Computer, Technology	Key Vocabulary: address book, attachment, blind carbon copy, cc, communication, compose, email, inbox, password, personal information, save to drafts, trusted contact.	Key Vocabulary: Algorithm, Artificial Intelligence, data	Key Vocabulary: budget, columns, computational model, count tool, expenses, format, formula, hypothesis, profit, data, dice tool, formula bar, rows, totalling tool	
	Impact: Children know what an algorithm is and can debug errors in written codes. Impact: Children know examples of technology and can state where it is used.	Impact: Children can send an email safely with attachments.	Impact: Children can describe what is meant by the term artificial intelligence and are clear about ways artificial intelligence is used in our everyday lives. They can consider the future of artificial intelligence and know how artificial intelligence is used in music and the arts to create things.	Impact: Children can use spreadsheet tools confidently, applying them to real life problems.	