

Computing End Point Progression Map

Computing Science- Algorithms

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Make toys work using a remote control	Create a series of 2 instructions and plan a journey for a programmable toy	Create a series of 4 instructions and plan a journey for a programmable toy	Write programs that accomplish specific goals	Debug programs that accomplish specific goals	Solve problems by decomposing them down into smaller parts	Work with variables whilst writing a program

Computing Science- Create Programs

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Complete a simple program on a computer	Create a simple program	Write a simple program and test it, debugging if necessary	Use sequences in programs	Design programs that accomplish specific goals	Use selection in programs	Understand computer networks- including the internet

Computing Science- Reasoning

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Predict what the outcome of a simple program will be.	Predict what the outcome of a complex program will be.	Use and work with various forms of input and output	Use logical reasoning to detect and correct errors in programs	Use logical reasoning to explain how algorithms work.	Use logical reasoning to detect and correct errors in algorithms

Digital Literacy

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Use technology and a website safely	Use a website or app reporting function	Use technology respectfully and responsibly	Identify a range of ways to report concerns about content	Select and use safe websites for research	Show a mature awareness when evaluating digital content

Information Technology- Using

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Use simple equipment to access child appropriate programs	Use technology purposefully to create, store and retrieve digital content	Organise, retrieve and manipulate digital content	Design and create content and then collect and present the information using a variety of software	Analyse and evaluate information from computing sources	Collect and present data	Analyse and evaluate data