Curriculum End Points

Subject: Computing

	Knowledge *e safety knowledge is developed and reinforced throughout the year groups	Skills
EYFS	• I know I can use technology to find information online	• I can play with beebots and can explore how to make them move by inputting instructions • I can develop my mouse control and fine motor skills
Year 1	Computer systems and networks • I can identify a computer and its main parts, switching it on and logging on Programming • I understand what an algorithm is	Computer Systems and Networks • I can save my work and open my work from a file Multimedia • I can use technology to write; changing font type, colour and size • I can use technology to take and edit photos Handling data • I can use technology to collect and group data
Year 2	Computer systems and networks • I understand and can explain how information technology benefits us Programming • I know how to create and debug simple programs	Computer Systems and Networks • I can move and resize images Multimedia • I can use technology to take and edit photos Handling data I can use technology purposefully to create, organise, manipulate and retrieve digital content
Year 3	Computer systems and networks • I can explore how digital devices can be connected and can explain	Computer Systems and Networks • I can send and retrieve emails with attachments Multimedia • I can combine text, graphics and sound in desktop publishing to suit different purposes • I can import footage into film editing software Handling data • I can collect and present information in a branching database
Year 4	Computer systems and network • I can explain the function of networks including the internet Programming • I know a range of tools that I can use to create a program Handling data	Programming • I can use a variety of tools to create a program using Scratch and simplify the programme when needed Multimedia • I can use text, photo and sound editing tools to enhance my work

	• I know how to use data loggers	Handling data I can collect and organise data and use it to answer questions
Year 5	Computer systems and network • I know how sharing information online lets people in different places work together Programming • I know how to write complex algorithms Handling data • I know how to use a database to ask and answer real-life questions	Programming • I can decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program Multimedia • I can create music using programming • I can capture video using a digital device and improve it through reshooting and editing
Year 6	Computer systems and network • I can identify the benefits and negatives of digital communication Programming • I can analyse and debug complex algorithms	Computer systems and network • I am discerning in evaluating digital content Programming • I ca use complex algorithms to write programs which can be transferred to physical outputs using Python Multimedia • I can create a web page including inserting hyperlinks • I can use technology to insert and manipulate shapes to design a 3D model • I can use Logo and Python to create art Handling data I can create and use formula to complete calculations to answer questions on the data entered