Key End Points - for end of year   Subject: Computing

Ready to Progress Criteria…

	Knowledge	Skills
EYFS	● I know I can use technology to find information online.	● I can use a device to interact with age-appropriate computer. ● I can play with beebots and can explore how to make them move by inputting instructions.
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, solar and size. **Handling Data** ● I can use technology to collect and group data.
Year 2	**Computer Systems & Networks** ● I understand and can explain how information technology benefits us. **Programming** ● I know how to create and debug simple programs.	**Computer Systems & 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, store, manipulate and retrieve digital content.
Year 3	**Computer Systems & Networks** ● I can explore how digital devices can be connected and can explain the role of a switch, server, and wireless access point in a network. **Programming** ● I know a wider range of commands that can be used to write more complex algorithms.	**Multimedia** ● I can combine text, graphics and sound in desktop publishing to suit different purposes. **Handling Data** ● I can collect and present information in a branching database.
Year 4	**Computer Systems & Networks** ● 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. **Multimedia** ● I recognise that not all images are real. **Handling Data** ● I know how to use data loggers.	**Programming** ● I can use a variety of tools to create a program using Scratch and simplify a programme when needed. **Multimedia** ● I can use text, photo and sound editing tools to enhance my work. **Handling Data** ● I can collect and organise data and use it to answer questions.
Year 5	**Computer Systems & Networks** ● I know how sharing information online lets people in different places work together. **Programming** ● I know how to write complex algorithms with 'if' and 'then' commands. **Handling Data** ● I know how to use a database to ask and answer real-world 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 capture video using a digital device and improve it through reshooting and editing. ● I can create a vector drawing by combining shapes and using the appropriate tools to achieve a desired effect.
Year 6	**Computer Systems & Networks** ● I can identify the benefits and negatives of digital communication. **Programming** ● I can analyse and debug complex algorithms.	**Computer Systems & Networks** ● I am discerning in evaluating digital content. **Programming** ● I can use complex algorithms to write programs which can be transferred to physical outputs (Crumbles). **Multimedia** ● I can create a web page including inserting hyperlinks. ● I can use technology to insert and manipulate shapes to design a 3D model. **Handling Data** ● I can use formula to complete calculations to answer questions on the data entered.