Barrow Hall Primary School
Computing Curriculum

Progression Skills – Year 5

	e-Safety	Programming	Handling Data	Multimedia	Technology in our Lives
Year 5	• protect my password and other personal information. • explain why I need to protect myself and my friends and the best ways to do this, including reporting concerns to an adult. • know that anything I post online can be seen, used and may affect others. • talk about the dangers of spending too long online or playing a game. • explain the importance of communicating kindly and respectfully. • discuss the importance of choosing an age-appropriate website or game. • explain why I need to protect my computer or device from harm. • know which resources on the Internet download and use.	• decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program. • refine a procedure using repeat commands to improve a program. • use a variable to increase programming possibilities. • change an input to a program to achieve a different output. • use 'if' and 'then' commands to select an action. • talk about how a computer model can provide information about a physical system. • use logical reasoning to detect and debug mistakes in a program. • use logical thinking, imagination and creativity to extend a program.	• use a spreadsheet and database to collect and record data. • choose an appropriate tool to help me collect data.. • present data in an appropriate way. • search a database using different operators to refine my search. • talk about mistakes in data and suggest how it could be checked.	• use text, photo, sound and video editing tools to refine my work. • use the skills I have already developed to create content using unfamiliar technology. • select, use and combine the appropriate technology tools to create effects that will have an impact on others. • select an appropriate online or offline tool to create and share ideas. • review and improve my own work and support others to improve their work.	• describe different parts of the Internet. • use different online communication tools for different purposes. • use a search engine to find appropriate information and check its reliability. • recognise and evaluate different types of information I find on the World Wide Web. • describe the different parts of a webpage. • find out who the information on a webpage belongs to.