Barrow Hall Primary School
Computing Curriculum

Skills Progression – Year 6

e-Safety	Programming	Handling Data	Multimedia	Technology in our Lives
• I protect my password and other personal information. • explain the consequences of sharing too much about myself online. • I support my friends to protect themselves and make good choices online, including reporting concerns to an adult. • explain the consequences of spending too much time online or on a game. • explain the consequences to myself and others of not communicating kindly and respectfully. • protect my computer or device from harm on the Internet.	• deconstruct a problem into smaller steps, recognising similarities to solutions used before. • explain and program each of the steps in my algorithm. • evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm. • recognise when I need to use a variable to achieve a required output. • use a variable and operators to stop a program. • use different inputs (including sensors) to control a device or onscreen action and predict what will happen. • use logical reasoning to detect and correct errors in a algorithms and programs.	• plan the process needed to investigate the world around me. • select the most effective tool to collect data for my investigation. • check the data I collect for accuracy and plausibility. • interpret the data I collect. • present the data I collect in an appropriate way. • I use the skills I have developed to interrogate a database.	• talk about audience, atmosphere and structure when planning a particular outcome. • confidently identify the potential of unfamiliar technology to increase my creativity. • combine a range of media, recognising the contribution of each to achieve a particular outcome. • tell you why I select a particular online tool for a specific purpose. • be digitally discerning when evaluating the effectiveness of my own work and the work of others.	• tell you the Internet services I need to use for different purposes. • describe how information is transported on the Internet. • select an appropriate tool to communicate and collaborate online. • talk about the way search results are selected and ranked. • check the reliability of a website. • tell you about copyright and acknowledge the sources of information that I find online.