

Primary Computing: End of unit expectations (Year 6)

	Digital Literacy Online Safety Throughout the year	Computer Science Programming Autumn and summer	Information Technology Handling Data Spring	Information Technology Multimedia Spring	Digital Literacy Technology in our Lives Summer
Year 6	<ul style="list-style-type: none"> • I protect my password and other personal information. • I support my friends to protect themselves and make good choices online, including reporting concerns to an adult. • I understand the importance of app permissions. • I can differentiate between fake and credible news. • I can explain the causes of cybercrime. • I can explain the effects of cybercrime. • I can explain the consequences to myself and others of not communicating kindly and respectfully. 	<ul style="list-style-type: none"> • I can deconstruct a problem into smaller steps, recognising similarities to solutions used before. • I can explain and program each of the steps in my algorithm. • I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm. • I can use 'if', 'else' and 'then' conditions. • I can test and debug my code. • I can control multiple inputs. • I can design and use subroutines. • I understand I can use loops to create repetition. 	<ul style="list-style-type: none"> • I can collect data • I can suggest how to structure my data • I can enter data into a spreadsheet • I can explain what an item of data is • I can choose and apply an appropriate format to a cell • I can calculate data using different operations • I can create a formula which includes a range of cells • I can apply a formula to multiple cells by duplicating it • I can use a spreadsheet to answer questions • I can explain why data should be organised • I can apply a formula to calculate the data I need to answer questions • I can produce a chart and answer questions. 	<ul style="list-style-type: none"> • I can recreate an app image using shapes, fill and grouping. • I can use gradient fill, transparency/opacity and colour picker correctly. • I can use the rotation tool. • I can create an image using a range of tools. • I can identify some of the ways in which photos can be altered. • I can use colours and filters on images. • I can use retouching tools. • I understand the positive and negative effects of editing images. 	<ul style="list-style-type: none"> • I can describe how computers use addresses to access websites. • I can identify the main parts of a data packet. • I can explain that data is transferred over networks in packets. • I can recognise how to access shared files stored online. • I can explain that the internet allows different media to be shared. • I can identify different ways of working together online and evaluate these methods. • I can decide when I should and should not share information online.

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