

Year 2, 3 and 4 Mixed Aged Planning for Computing

Term 1	Term 2	Term 3
<p style="text-align: center;">e-Safety</p> <p>2 I can explain why I need to keep my password and personal information private.</p> <p>2 I can describe the things that happen online that I must tell an adult about.</p> <p>3 I can use the safety features of websites as well as reporting concerns to an adult.</p> <p>3 I can post positive comments online.</p> <p>4 I use the safety features of websites as well as reporting concerns to an adult.</p> <p>4 I know that anything I share online can be seen by others.</p> <p>4 I comment positively and respectfully online and through text messages.</p>	<p style="text-align: center;">e-Safety</p> <p>2 I know that not everyone is who they say they are in the Internet.</p> <p>3 I can talk about what makes a secure password and why they are important.</p> <p>3 I can protect my personal information when I do different things online.</p> <p>4 I choose a secure password and appropriate screen name when I am using a website.</p> <p>4 I can talk about the ways I can protect myself and my friends from harm online.</p>	<p style="text-align: center;">e-Safety</p> <p>2I can talk about why it is important to be kind and polite online and in real life.</p> <p>2 I can talk about why I should go online for a short amount of time.</p> <p>3 I can recognise websites and games appropriate for my age.</p> <p>3 I can make good choices about how long I spend online.</p> <p>3 I ask an adult before downloading files and games from the Internet.</p> <p>4 I choose websites, apps and games that are appropriate for my age.</p> <p>4 I can help my friends make good choices about the time they spend online.</p> <p>4 I can talk about why I need to ask a trusted adult before downloading files and games from the Internet.</p>
<p style="text-align: center;">Programming</p> <p>2 I can tell you the order I need to do things to make something happen and talk about this as an algorithm</p> <p>2 I can program a robot to do a particular task.</p> <p>2 I can watch a program execute and spot where it goes wrong so that I can debug it.</p> <p>3 I can put programming commands into a sequence to achieve a specific outcome.</p> <p>3 I can use repeat commands.</p> <p>3 I keep testing my program and can recognise when I need to debug it.</p> <p>4 I can use an efficient procedure to simplify a program.</p> <p>4 I know that I need to keep testing my program while I am putting it together.</p> <p>4 I can recognise an error in a program and debug it.</p>	<p style="text-align: center;">Programming</p> <p>2 I can watch a program execute and spot where it goes wrong so that I can debug it</p> <p>2 I can look at my friend's program and tell you what will happen</p> <p>3 I can describe the algorithm I will need for a simple task.</p> <p>4 I recognise that an algorithm will help me to sequence more complex programs.</p> <p>4 I recognise that using algorithms will also help solve problems in other learning such as Maths, Science and Design and Technology.</p>	<p style="text-align: center;">Programming</p> <p>3 I can break an open-ended problem up into smaller parts.</p> <p>3 I can detect a problem in an algorithm which could result in unsuccessful programming.</p> <p>4 I can use logical thinking to solve an open-ended problem by breaking it up into smaller parts.</p> <p>4 I can use a sensor to detect a change which can select an action within my program.</p> <p>4 I can use a variety of tools to create a program.</p>

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<p style="text-align: center;">Technology in our lives</p> <p>2 I can tell you why I used technology in my home and community.</p> <p>2 I can identify benefits of using technology including finding information and communicating with others.</p> <p>3 I can save and retrieve work on the Internet, the school network or my own device.</p> <p>3 I can use search tools to find and use an appropriate website.</p> <p>3 I can talk about the parts of a computer.</p> <p>4 I can tell you whether a resource I am using is on the Internet, the school network or my own device.</p> <p>4 I can identify key words to use when searching safely on the World Wide Web.</p> <p>4 I think about the reliability of information I read on the World Wide Web.</p>	<p style="text-align: center;">Handling Data</p> <p>2 I am starting to understand a branching database</p> <p>2 I can talk about the different ways I collect information</p> <p>2 I can make and save a graph using the data I collect</p> <p>2 I can talk about the data that is shown in my chart or graph</p> <p>3 I can talk about the different ways data can be organised.</p> <p>3 I can search a ready-made database to answer questions.</p> <p>3 I can collect data help me answer a question.</p> <p>3 I can add to a database.</p> <p>4 I can organise data in different ways.</p> <p>4 I can collect data and identify where it could be inaccurate.</p> <p>4 I can plan, create and search a database to answer questions.</p>	<p style="text-align: center;">Technology in our lives</p> <p>2 I am starting to understand that other people have created the information I use and know that not all information on the Internet is true.</p> <p>2 I can identify benefits of using technology including finding information on the Internet</p> <p>3 I can tell you ways to communicate with others online.</p> <p>3 I can describe the World Wide Web as the part of the Internet that contains websites.</p> <p>3 I think about whether I can use images that I find online in my own work.</p> <p>4 I can tell you how to check who owns photos, text and clipart.</p> <p>4 I can create a hyperlink to a resource on the World Wide Web.</p> <p>4 I can recognise that websites use different methods to advertise products.</p>
<p style="text-align: center;">Multimedia</p> <p>2 I can use technology to organise and present my ideas, including adding text and images.</p> <p>2 I can use the keyboard on my device to add, delete and space text for others to read.</p> <p>2 I can tell you about an online tool that will help me to share my ideas with other people.</p> <p>2 I can save and open files on the device I use.</p> <p>3 I can create different effects with different technology tools.</p> <p>3 I can combine a mixture of text, graphics and sound to share my ideas and learning.</p> <p>3 I can use appropriate keyboard commands to amend text on my device, including making use of a spellchecker.</p> <p>4 I can use photos, video and sound to create an</p>	<p style="text-align: center;">Multimedia</p> <p>2 I can use technology to organise and present my ideas in different ways</p> <p>2 I can save and open files on the device I use</p> <p>3 I can evaluate my work and improve its effectiveness.</p> <p>3 I can use an appropriate tool to share my work online.</p> <p>4 I can use an appropriate tool to share my work and collaborate online.</p> <p>4 I am confident to explore new media to extend what I can achieve.</p> <p>4 I can give constructive feedback to my friends to help them improve their work and refine my own work.</p>	<p style="text-align: center;">Handling Data</p> <p>2 I can tell you what kind of information I could use to help me investigate a question</p> <p>2 I am starting to understand a branching database</p> <p>2 I can use technology to present my ideas in different ways</p> <p>2 I can use the keyboard on my device to add / delete and space text for others to read</p> <p>2 I can save and open files on the device I use</p> <p>3 I can make a branching database.</p> <p>3 I can use a data logger to monitor changes and can talk about the information collected.</p> <p>4 I can choose the best way to present data to my friends.</p> <p>4 I can use a data logger to record and share my readings with my friends.</p>

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<p>atmosphere when presenting to different audiences. 4 I can change the appearance of text to increase its effectiveness. 4 I can create, modify and present documents for a particular purpose. 4 I can use a keyboard confidently and make use of a spellchecker to write and review my work.</p>		
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