	Oakdene Primary Academy				
	Progression of Skills				
		Computing			
		2022-23		Oakdene Primary School Learning for Life	
		Computing: Pr	ogression of skills		
Little jcamores					
	Computer Science	Information Technology	Digital Literacy	Online Safety	
	I can use simple software to make	I can move objects on the screen	l can operate simple equipment	I can be kind to my friends	
Nursey jcle   & 2	something happen	l can create shapes and text on screen	I can tell you about technology at school and at home	I am careful with technology devices	
	Computer Science	Information Technology	Digital Literacy	Online Safety	
Reception	l can make a floor robot move	l can tell you about different kinds of	l can tell you about technology at school	I can tell an adult when some thing wor-	
	l can make choices about the buttons and	information, such as pictures, video, text and sound	and at home	rying or unexpected happens when I am using the Internet.	
	icons   press, touch or click on.	I can use technology to show my learning	I can use technology to show my learning	I can talk about the amount of time I	
				spend using a computer/tablet/game de- vice	

## Ceography: Progression of skills

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Computer ScienceInformation TechnologyDigital LiteracyOnline SafetyI can give instructions to my friend and follow their instructions to move around. I can describe what happens when I press buttons on a robot.I can be creative with different technology tools.I can recognise the ways we use technology in our classroom.I can keep my password private.I can give instructions to move around. I can describe what happens when I press buttons on a robot.I can use technology to create and present my ideas.I can recognise ways that technology is used in my home and community.I can tell you what personal information is.I can press the buttons in the correct order tools is the buttons in the correct orderI can use the keyboard or a word bank onI can use links to websites to findI can tell an adult when I see something unexpected or worrying online.
follow their instructions to move around. I can describe what happens when I press buttons on a robot. I can use technology to create and present I can use technology to create and present my ideas. I can use technology to create and present my ideas. I can use technology to create and present my ideas. I can use technology to create and present used in my home and community. I can use links to websites to find I can tell an adult when I see something unexpected or worrying online.
to make my robot do what I want. I can describe what actions I will need to do to make something happen and begin to use the word algorithm. I can begin to predict what will happen for a short sequence of instructions. I can begin to use software/apps to create movement and patterns on a screen. I can use the word debug when I my device to enter text. I can save information in a special place and retrieve it again. I can save information can be shown. I can set technology to collect information, including photos, video and sound. I can sort different kinds of information and present it to others.

	Computing: Progression of skills		
Computer Science I	Information Technology	Digital Literacy	Online Safety
cally follow their instructions. I can tell you the order I need to do things to make something happen and talk about this as an algorithm. I can program a robot or software to do a particular task. I can look at my friend's program and tell you what will happen. I can use programming software to make objects move. I can watch a program execute and spot where it goes wrong so that I can debug it.	<ul> <li>I can use technology to organise and present my ideas in different ways.</li> <li>I can use the keyboard on my device to add, delete and space text for others to read.</li> <li>I can tell you about an online tool that will help me to share my ideas with other people.</li> <li>I can save and open files on the device I use.</li> <li>I talk about the different ways I use technology to collect information, including a camera, microscope or sound recorder.</li> <li>I can make and save a chart or graph using the data I collect.</li> <li>I can talk about the data that is shown in my chart or graph.</li> <li>I am starting to understand a branching database.</li> <li>I can tell you what kind of information I could use to help me investigate a question.</li> </ul>	I can tell you why I use technology in the classroom. I can tell you why I use technology in my home and community. I am starting to understand that other people have created the information I use. I can identify benefits of using technology including finding information, creating and communicating. I can talk about the differences between the Internet and things in the physical world.	I can explain why I need to keep my password and personal information private. I can describe the things that happen online that I must tell an adult about. I can talk about why I should go online for a short amount of time. I can talk about why it is important to be kind and polite online and in real life. I know that not everyone is who they say they are on the Internet.

Computer Science	h formation Technology		Online Serfety
Computer Science I can break an open-ended problem up into smaller parts. I can put programming commands into a sequence to achieve a specific outcome. I keep testing my program and can recognise when I need to debug it. I can use repeat commands. I can describe the algorithm I will need for a simple task. I can detect a problem in an algorithm which could result in unsuccessful programming.	<ul> <li>Information Technology <ul> <li>I can create different effects with</li> <li>different technology tools.</li> </ul> </li> <li>I can combine a mixture of text, graphics and sound to share my ideas and learning.</li> <li>I can use appropriate keyboard commands to amend text on my device, including making use of a spellchecker.</li> <li>I can evaluate my work and improve its effectiveness.</li> <li>I can use an appropriate tool to share my work online.</li> <li>I can talk about the different ways data can be organised.</li> <li>I can search a ready-made database to answer questions.</li> <li>I can add to a database.</li> <li>I can make a branching database.</li> <li>I can use a data logger to monitor changes and can talk about the information collected.</li> </ul>	Digital Literacy I can save and retrieve work on the Inter- net, the school network or my own device. I can talk about the parts of a computer. I can tell you ways to communicate with others online. I can describe the World Wide Web as the part of the Internet that contains websites. I can use search tools to find and use an appropriate website. I think about whether I can use images that I find online in my own work.	Online Safety I can talk about what makes a secure password and why they are important. I can protect my personal information when I do different things online. I can use the safety features of website as well as reporting concerns to an adul I can recognise websites and games appro priate for my age. I can make good choices about how long spend online. I ask an adult before downloading files and games from the Internet. I can post positive comments online.

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C	Computer Science	Information Technology	Digital Literacy	Online Safety
  P  ic         	can decompose a problem into smaller parts to design an algorithm for a specif- c outcome and use this to write a pro- gram. can refine a procedure using repeat commands to improve a program. can use a variable to increase programming possibilities.	<ul> <li>I can use text, photo, sound and video editing tools to refine my work.</li> <li>I can use the skills I have already developed to create content using unfamiliar technology.</li> <li>I can select, use and combine the appropriate technology tools to create effects that will have an impact on others.</li> </ul>	<ul> <li>I can describe different parts of the Internet.</li> <li>I can use different online communication tools for different purposes.</li> <li>I can use a search engine to find appropriate information and check its reliability.</li> <li>I can recognise and evaluate different</li> </ul>	I can choose a secure password and screen name. I protect my password and other personal information. I can explain why I need to protect myself and my friends and the best ways to do this, including reporting concerns to an adult.
a   5 se	can change an input to a program to uchieve a different output. can use `if' and `then' commands to elect an action. can talk about how a computer model	I can select an appropriate online or offline tool to create and share ideas. I can review and improve my own work and support others to improve their work. I can use a spreadsheet and database to	types of information I find on the World Wide Web. I can describe the different parts of a webpage. I can find out who the information on a	I know that anything I post online can be seen, used and may affect others. I can talk about the dangers of spending too long online or playing a game. I can explain the importance of
sı I d	an provide information about a physical ystem. can use logical reasoning to detect and lebug mistakes in a program. use logical thinking, imagination and	collect and record data. I can choose an appropriate tool to help me collect data. I can present data in an appropriate way. I can search a database using different	webpage belongs to I know which resources on the Internet I can download and use. I can describe the ways in which websites advertise their products to me.	communicating kindly and respectfully. I can discuss the importance of choosing an age appropriate website, app or game. I can explain why I need to protect my computer or device from harm.
c	reativity to extend a program.	operators to refine my search. I can talk about mistakes in data and suggest how it could be checked.		

	Geography: Pi	rogression of skills	
Computer Science	Information Technology	Digital Literacy	Online Safety
<ul> <li>I can deconstruct a problem into smaller steps, recognising similarities to solutions used before.</li> <li>I can explain and program each of the steps in my algorithm.</li> <li>I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm.</li> <li>I can recognise when I need to use a variable to achieve a required output.</li> <li>I can use a variable and operators to stop a program.</li> <li>I can use different inputs (including sensors) to control a device or onscreen</li> </ul>	<ul> <li>Information Technology</li> <li>I can talk about audience, atmosphere and structure when planning a particular outcome.</li> <li>I can confidently identify the potential of unfamiliar technology to increase my creativity.</li> <li>I can combine a range of media, recognising the contribution of each to achieve a particular outcome.</li> <li>I can tell you why I select a particular online tool for a specific purpose.</li> <li>I can be digitally discerning when evaluating the effectiveness of my own work and the work of others.</li> <li>I can select the most effective tool to collect data for my investigation.</li> <li>I can check the data I collect for accuracy and plausibility.</li> <li>I can present the data I collect in an appropriate way.</li> <li>I use the skills I have developed to interrogate a database.</li> </ul>		