
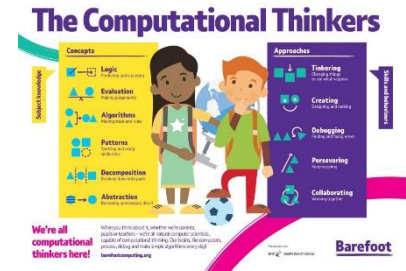






Subject: Computing		Year group: 2 Term: Spring 1		Title: Programming			
<div>What should I know?</div> <div><ul style="list-style-type: none"><li>• That algorithms are a series of steps or instructions to achieve a specific goal</li><li>• That devices respond to commands</li><li>• The meaning of the term program</li><li>• That there are different ways to create or produce a sequence of commands</li><li>• What debugging is and begin to use strategies to help find bugs</li><li>• What logical reasoning is and how it can be used to predict what happens in simple programs</li></ul></div> <div></div>		<div>Facts I will learn ...</div> <div><ul style="list-style-type: none"><li>• That algorithms are a series of steps or instructions to achieve a specific goal</li><li>• That devices respond to commands</li><li>• That prediction, trial and error are important considerations when creating programs or controlling movement</li><li>• That there are different ways to create or produce a sequence of commands, including verbal, recorded, graphical, pressing buttons and on screen methods</li><li>• That logical reasoning can be used to predict what happens in simple programs</li></ul></div>		<div>Key questions ...</div> <div><ul style="list-style-type: none"><li>• What does the term program mean?</li><li>• Why are prediction, trial and error important when programming?</li><li>• What are the different ways that I can produce a sequence of commands?</li><li>• Which devises that I use at home are controlled by commands?</li></ul></div> <div></div>			
<div>Key Skills...</div> <div><ul style="list-style-type: none"><li>• To give and follow commands (one at a time) to navigate other children and programmable toys around a course or a familiar journey, including straight and</li></ul></div>		<div>Experiences that school may provide:</div> <div><ul style="list-style-type: none"><li>• The opportunity to complete practical and computer based programming activities</li></ul></div>		<div><div>Key vocab</div><div>Definition</div><div><table><tr><td>Coding</td><td>Coding is the process of using a programming language to get a</td></tr></table></div></div>		Coding	Coding is the process of using a programming language to get a
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<p>turning movements</p> <ul style="list-style-type: none"><li>• To plan, generate and follow a sequence of instructions (actual and on-screen) to make something happen; or complete a given task or problem to create a simple program</li><li>• To explore and create sequences of commands/instructions in a variety of programs/devices</li><li>• To make predictions and describe the effects when creating programs and controlling devices</li><li>• To identify errors in instructions</li><li>• To use logical reasoning to predict what will happen in simple programs</li></ul> 		<table><tr><td></td><td>computer to behave how you want it to.</td></tr><tr><td><b>Program</b></td><td>A sequence of instructions that allows a computer to perform a task or a set of operations.</td></tr><tr><td><b>Logical Reasoning</b></td><td>Logical reasoning means using systematic steps to arrive at a conclusion.</td></tr><tr><td><b>Algorithm</b></td><td>A set of simple steps to solve a problem or complete a task.</td></tr><tr><td><b>Command</b></td><td>To order or instruct.</td></tr><tr><td><b>Debug</b></td><td>The process of looking for and removing faults in a computer program</td></tr><tr><td><b>Predict</b></td><td>To say something will happen in the future</td></tr></table>		computer to behave how you want it to.	<b>Program</b>	A sequence of instructions that allows a computer to perform a task or a set of operations.	<b>Logical Reasoning</b>	Logical reasoning means using systematic steps to arrive at a conclusion.	<b>Algorithm</b>	A set of simple steps to solve a problem or complete a task.	<b>Command</b>	To order or instruct.	<b>Debug</b>	The process of looking for and removing faults in a computer program	<b>Predict</b>	To say something will happen in the future
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<p><b>Web links</b></p> <p><a href="https://www.bbc.co.uk/cbeebies/watch/nina-and-the-neurons-coding-song">https://www.bbc.co.uk/cbeebies/watch/nina-and-the-neurons-coding-song</a></p> <p><a href="https://www.bbc.co.uk/bitesize/topics/zvsc7ty">https://www.bbc.co.uk/bitesize/topics/zvsc7ty</a></p>	<p><b>Experiences that could be provided at home...</b></p> <ul style="list-style-type: none"><li>• Recap the school's Acceptable Use Policy with your child and discuss Online Safety rules</li><li>• Have a go at some simple paper based coding activities such as writing a recipe or instructions for completing a task</li></ul>															