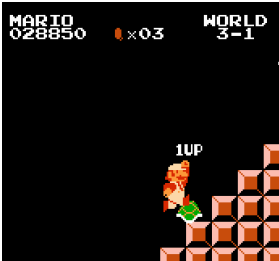



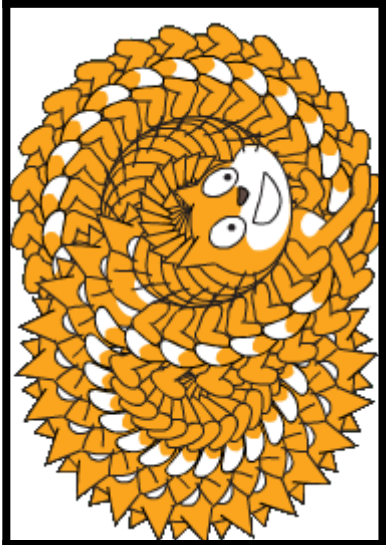


Prior Learning: instructions as algorithms, instructional language, understanding 'debug' as correcting mistakes in programming.

Facts	Vocabulary
<p>1. What is an algorithm?</p> <ul style="list-style-type: none"> An algorithm must follow a logical sequence. A sequence is a series of logical steps that must be carried out in a specific order. 	<p>1. Variable</p> <p>2. Loop</p> <p>3. Repeat</p>
<p>2. What is a variable?</p> <ul style="list-style-type: none"> A variable is something that can be changed. In computer programming we use variables to store information that might change and can be used later in our program. Variables could be used to store the score in a game, the number of cars in a car park or the cost of items on a till. If you were programming a computer game, you could make a variable called 'score'. This would store information about the number of points you have won during a game. A supermarket till uses variables to store information about all the items you buy. As more items are scanned the variable's total would increase. Automated barriers in a car park use variables to count cars in and out. These can then be used to see if there is any space to let more cars in. <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div> <div style="text-align: center; margin-top: 10px;">  </div>	<p>3. What is a loop?</p> <p>A loop is a sequence of instructions that is continually repeated until a certain condition is reached.</p> <p>In Scratch, "Forever" blocks are used to create loops.</p> <div style="text-align: center; margin-top: 10px;">  </div> <div style="text-align: center; margin-top: 20px;">  </div>
<p>Youtube:</p>	
<p>https://youtu.be/xPIGz7WPYH4</p> <p>Variables in Playlab</p>	