


Autumn-Computer Science	Vocabulary	Key driver: Determination Key skills: I can use technology purposefully Year Enquiry: How can I use Technology purposefully? Topics: Coding, Beebots High-Quality Outcome: Plan a simple program	Question		
<p>Bee bots</p> 	<p>Instructions, directions Forwards, backwards, commands, Left, right, turn, commands, Plan, algorithm, program, Route, plan, program.</p>		<p>How can I programme a Beebot to move around a set space?</p>		
<p>Lesson 1 WALT: explain what a given command will do Outcome: Learners will talk about what the buttons might do and then try the buttons out.</p>	<p>Lesson 2 WALT: act out a given word Outcome: learners will think about the language used to give directions and how precise it needs to be.</p>	<p>Lesson 3 WALT: combine forwards and backwards commands to make a sequence Outcome: learners are developing a depth of knowledge in the concepts surrounding programming</p>	<p>Lesson 4 WALT: combine four direction commands to make sequences Outcome: Learners will create their programs in this lesson through trial and error before moving on to planning their programs out in the next lesson</p>	<p>Lesson 5 WALT: plan a simple program Outcome: Learners will program, test and debug their program. Lesson 6 WALT:To find more than one solution to a problem Outcome: learners to plan their routes and explore more than way to solve a route.</p>	
<p>Content</p>	<p>Coherence</p>	<p>Creativity</p>	<p>Compassion</p>	<p>Community</p>	
<p>Children will learn the principles of basic coding. They will understand how coding fits into the modern world.</p>	<p>Children will have been exposed to Beebots through play in EYFS. This will be their first formal teaching of computing.</p>	<p>Children will make connections with algorithms all around them. They will begin to make links with the outside world and the algorithms around them.</p>	<p>Children will explore technology and understand how robots are different from us.</p>	<p>Children can make links with the machinery at the BMW plant where many parents work.</p>	

