

SOLO taxonomy: Robotics and embedded systems (9-10)

We are ...				
SOLO LEVEL	One	Many	Relate	Extend
SOLO VERB	<i>Identify & Define</i>	<i>Combine & Perform serial skills</i>	<i>Apply Integrate</i>	<i>Create & Evaluate</i>
Success criteria	<p>I can define a robot</p> <p>I can identify situations where automation would be useful</p> <p>I can identify parts of an electrical circuit such as sensors, actuators and a development board</p>	<p>I can combine components in an electrical circuit including a development board</p> <p>I can program a development board following a tutorial and using existing code, for example a sketch for Arduino</p>	<p>I can program a development board that uses data to trigger a certain behaviour</p> <p>I can use a robotic kit to build a robot to carry out a specific task</p>	<p>I can design and create my own robotic device using electronic components and other materials (recycled or commercially available)</p> <p>I can evaluate the digital solution I created, based on criteria such as sustainability, innovation and/or enterprise.</p>
Digital Technologies Way of thinking	Systems thinking	Computational thinking	Computational thinking	Design thinking

As learning progresses, it becomes more complex. SOLO stands for the Structure of the Observed Learning Outcome. It is a means of classifying learning outcomes in terms of their complexity. It can help differentiate a task to enable students to operate at their level and provide learning tasks that are progressively more challenging.

For more about SOLO Taxonomy refer to these websites

[John Biggs Solo Taxonomy](#)

[HookED: Solo Taxonomy](#)



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