SOLO taxonomy: Connecting digital components (5-6)

We are exploring inputs and outputs of particular devices …				
SOLO LEVEL	**One**	**Many**	**Relate**	**Extend**
SOLO VERB	***Identify isolated skills***	***Describe, and combine serial skills***	***Integrate skills***	***Evaluate skills***
DECLARATIVE KNOWLEDGE **Knowing about (talking or writing about) binary numbers** **Exploring digital systems** **Success criteria**	*I can **IDENTIFY** and **SORT** digital system components into input and output*	I can **DESCRIBE** an input and an output when discussing how a digital system processes data I can describe how parts of the digital system work together to perform a task or function	I can **EXPLAIN** some advantages and challenges when using Bluetooth low energy technology	*AND I can **EVALUATE** the effectiveness of my digital solution based on:* *how well it meets its intended purpose*
FUNCTIONING KNOWLEDGE **Knowing how to …** **Collecting, organising and representing data as information** **Success criteria**	*I can* **DEMONSTRATE** the use of *a range of digital system components to input information*	I can **DEMONSTRATE** multiple ways of inputting data into a digital system using multiple devices. I can relate the input to the output and relate this to the way a system works I can **DEMONSTRATE** the use of a programming board to replace the keyboard input such as the use of arrows as a command	I can **CONTROL** devices using Bluetooth low energy technology	I can **CREATE** a digital solution that uses a programming board as a way the user interacts I can **DESIGN** a digital solution in response to a problem involving a robotic device (eg a maze) and can create a program to control a robotic device to negotiate the maze
Digital technologies Way of thinking		Systems thinking		Design thinking Computational 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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