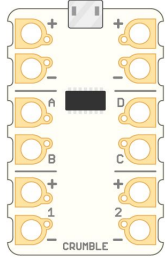




Year 5 Computing - Summer Term 1: Selection In Physical Computing



1. A **microcontroller** is a small **device** that can be programmed to control **components** that are connected to it.



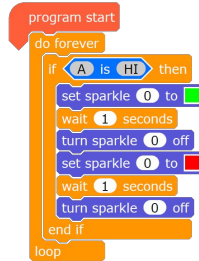
2. A form of **repetition** is a **count-controlled** loop. You can use them when you know how many times you want the **commands** repeated.



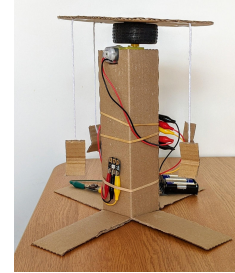
3. A condition is a statement that can be either **true** or **false**. Programmers can use conditions to trigger **actions**.

How can selection be used in physical programming?

4. When using selection in programs, you must instruct the device to check constantly if the **condition** has been met. To do this, you use repetition in the form of an **infinite loop**.



5. Selection in physical programming can be used to control moving **models**.



6. It is important to test and **debug** a program so that it works as intended.

actions	commands	condition	count-controlled	debug	device
false	infinite	loop	microcontroller	repetition	true