**Project Brief: Soil Moisture Sensor**

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**Objective:**

Use the supplied crafting materials to create an enclosure for a portable soil moisture sensor.

**Requirements:**

* The device should be handheld and easy to move from place to place.
* Must be easy to insert and remove from the soil.
* Must be as waterproof as possible.
* The screen of the micro:bit should be visible to display the reading.
* The buttons should be accessible to take a reading.
* Batteries will need to be changed periodically.

**Instructions:**

* Use the time available to construct a prototype of your enclosure for a portable soil moisture sensor.
* Pay particular attention to the requirements above – your enclosure needs to satisfy all these requirements.
* Materials and machines have a cost – keep track of the cost of your prototype using your pricelist and Bill of Materials template.
* Aim to build something that would be easy to build again (with quality control in place).
* Maximise efficiency: think about speed to build, efficiency of material use and cost of materials.