

## TECHNOLOGY

# Design Showcase



Tablet Dispenser - Emma Telford



UV Light Sensor and Display - Katie Little



Basket Ball Game - Luke Watt



Bedside storage unit - Suzy Neill



Carbon monoxide Sensor - Adam Hanna



Gas lighter - Scott Graham



Greenhouse Temp Sensor - Alistair Sands



Hole punch - Ross Graham



Lap timer - Scott Russell



Toy for visually impaired - Isabel Andersson



Random circuit generator - Zoe Hylands



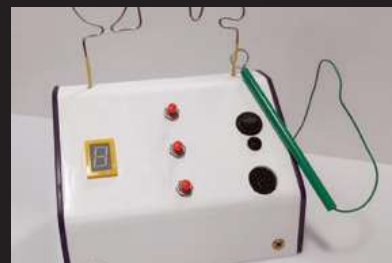
Soldering Iron and Stand - Harry Bingham



Sports Timer - Reuben Toal



Sprint Timer - Mikey Woods



Steady hand Game - Sasha Martin



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# Sentinus Workshop



The Microbit is half the size of a credit card and has a wide range of both inputs and outputs incorporated into its design. It includes an accelerometer and magnetometer sensors, Bluetooth and USB connectivity, a display consisting of 25 LEDs, two programmable buttons, and can be powered by either USB or an external battery pack. Pupils were given a range of tasks to complete which helped support subject learning and promote the development of a range of skills and capabilities including problem solving, creativity, working with others and managing information. The pupils really enjoyed the experience and we hope that it has given them a real insight into the value of STEM subjects.

# CUTS&CO

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