



Year:

3 and 4

Unit:

Digital world - CAD

Overview:

The children will design, code, make and promote a Micro:bit electronic charm to use in low-light conditions, developing their understanding of programming to monitor and control their products.

Key Vocabulary

control	To command something to change.
electronic	Devices that have some decision-making capabilities that require a processor
function	How an object or product operates or works
initiate	To start
programming loop	A piece of code that repeats until instructed to stop.
monitor	To observe and record something over time
program	A series of code which instructs an electronic device to perform specific tasks
sensor	A tool or device that is designed to monitor, detect and respond to changes
simulator	Computer generated imitation of something such as a program test or product prototype

Smart wearables

A combination of electronics and items that you can wear to help you with day-to-day activities such as purchasing goods.



VR Goggles



Smart watch

What is a Micro:bit?

A programmable electronic device, that can be coded to carry out certain functions.

