



Year 3 - Digital World - Wearable Technology - Term 2

Key Vocabulary

User	The person a product is made for.
Design criteria	The features a product needs.
LED	A small light-emitting diode.
Input	A signal or action that starts a response.
Output	What happens because of an input.
Code	Instructions that tell a computer what to do.
Program	A set of instructions a computer follows.
CAD	Using a computer to design a product.
Form	The shape, size and style of a product.
Function	What the product does.

What can be wearable?

Useful wearable products include safety lights, illuminated bags and smart accessories.

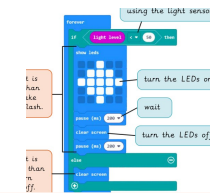


Technology Something people make to help solve problems or make life easier

Wearable technology can help users or be fun.

LEDs, inputs and outputs

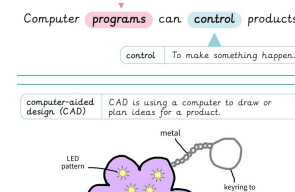
Light sensors and buttons give inputs. Programs can produce LED light as an output.



The code controls what the product does.

Design with CAD

A designer communicates the form and function of a product by sketching or using CAD.



Match the design to its intended user.

To know statements

To analyse wearable products that use light-up technology.	✓
To create design criteria for a product.	✗
To use code to control light-up technology in a product.	✓
To program a product to react to light using a sensor.	✓
To communicate product design ideas using computer-aided design (CAD).	✓

What can you remember from previous units?

What have you made using moving mechanisms?

What should a design brief tell you?

Anything else you have learnt?

What have you enjoyed?