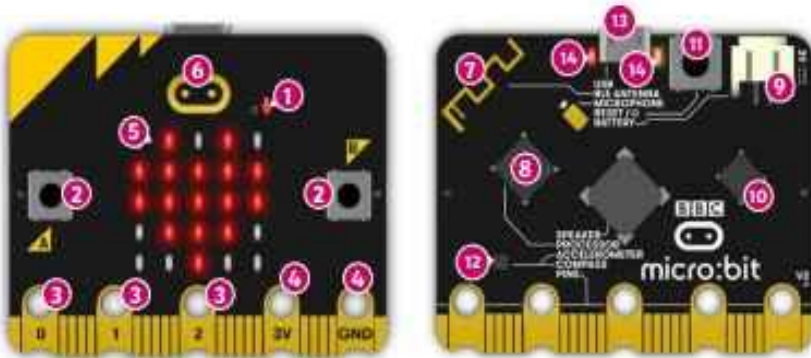


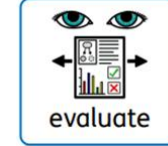
What Is a BBC micro:bit?

The BBC micro:bit is a pocket-sized computer. It has an LED light display, buttons, microphone, sensors and many input/output features. These features can be programmed and can let you physically interact with the world around you.

What Features Does a BBC micro:bit have?



- | | |
|---------------------------------|--------------------------------|
| 1. Microphone | 7. Radio and Bluetooth antenna |
| 2. A and B buttons | 8. Processor |
| 3. GPIO pins | 9. Battery socket |
| 4. 3V and GND pins | 10. USB interface chip |
| 5. LED display and light sensor | 11. Reset Button |
| 6. Touch sensor | 12. Compass and Accelerometer |
| | 13. Micro USB socket |
| | 14. Single LEDs |



Tier 2 Vocabulary

Specification

A list that describes what a product needs to do

Evaluation

To judge if a product meets chosen criteria

Design

A plan or drawing of your ideas

Innovative

Having a new idea

Topic (Tier 3) Vocabulary

Code

instructions

Program

Provide a computer with coded instructions

Control

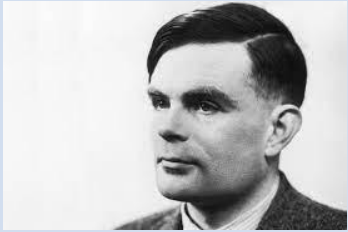
Program control is how a program makes decisions. Program control often involves executing particular code based on the outcome of a prior operation.

Monitor

observing, checking, or keeping a continuous record of something

National Treasures

Alan Turing



Ada Lovelace



Rights of the Child/Global Goals

Article 13

Every child must be free to express their thoughts and opinions and to access all kinds of information, as long as it is within the law.

Global Goal 9

Industry, innovation and infrastructure

Prior learning

Coding in computing lessons

DT Big Ideas

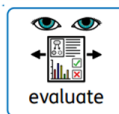
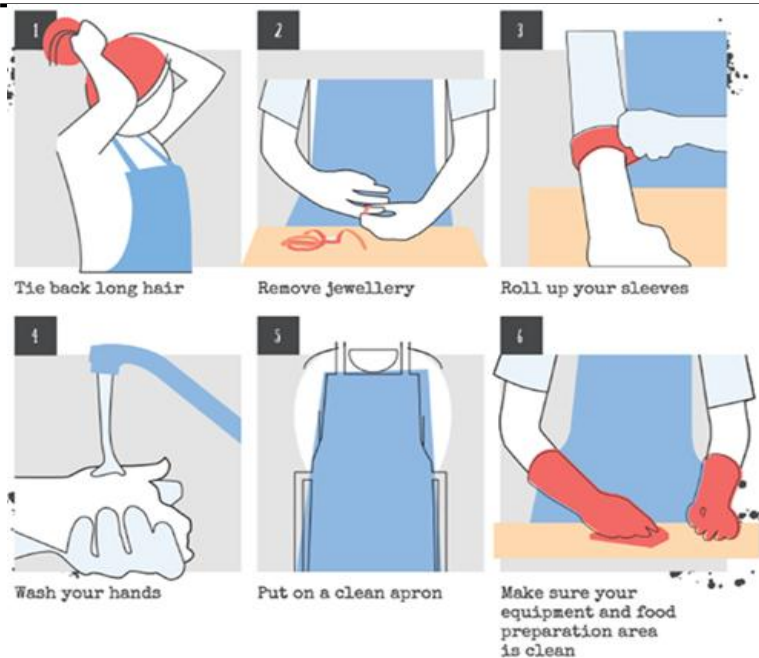
We Are Engineers

Design: we use criteria to design products that do a job for a person or group.

Make: we make products that do a job or solve a problem.

Evaluate: we continually reflect on our work and that of others and we look for ways to improve it.

Technical Knowledge: we apply our understanding to make products that work.



Tier 2 Vocabulary

Design	A plan or drawing of your ideas
Innovative	A new idea
Specification	A list that describes what a product needs to do
Evaluation	To judge if a product meets chosen criteria

Topic (Tier 3) Vocabulary

Prototype	A quick 3-D model used to check a design
Product	Something that is made
Savoury	food that is salty or spicy rather than sweet
Use by date	date by which the food should be eaten
Sell by date	date by which the food should be sold

On most food packaging now you will find a diagram that looks this:

The section along the top tells you how many grams of each nutrient is in a serving of the product.

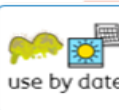
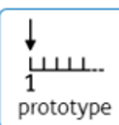
ENERGY	FAT	SATURATES	SUGARS	SALT
1478KJ 352KCAL	14.6g	6.6g	4.0g	1.46g
18%	21%	33%	4%	24%

The section along the bottom tells you what percentage this amount is of your RDA.

Red means that there is a high amount of that particular nutrient in the product.

Orange means that there is a medium amount of that particular nutrient in the product.

Green means that there is a low amount of that particular nutrient in the product.



National Treasures



Rights of the Child/Global Goals

Article 24

Every child has the right to the best possible health. Governments must provide good quality health care, clean water, nutritious food, and a clean environment and education on health and well-being so that children can stay healthy.

Global Goal 3

Good health and wellbeing

Prior learning

Seasonality
Healthy choices

DT Big Ideas

We Are Engineers

Design: we use criteria to design products that do a job for a person or group.

Make: we make products that do a job or solve a problem.

Evaluate: we continually reflect on our work and that of others and we look for ways to improve it.

Technical Knowledge: we apply our understanding to make products that work.

Cooking and Nutrition: we use what we know about food to safely prepare healthy meals.

	Fruit								
	apple	pear	blackberry	blackcurrant	cherry	plum	rhubarb	strawberry	raspberry
January	✓	✓					✓		
February	✓						✓		
March							✓		
April							✓		
May							✓		
June				✓			✓	✓	
July				✓	✓			✓	✓
August			✓					✓	✓
September	✓	✓	✓			✓		✓	✓
October	✓	✓	✓			✓			
November	✓	✓							
December	✓	✓							

