

### Spring flower pots

#### TASK:

Design and create a set of flower pots that show different types of flowers during spring.

#### CRITERIA:

- The set must have at least 5 flower pots with a different type of flower in each one.
- The flower pots must be made using plasticine and must be three Unifix™ cubes high and at least two Unifix™ cubes wide.
- Each flower must be made using the correct coloured pipe-cleaners to show each part of the flower.

#### SUGGESTED MATERIALS:

- plasticine
- coloured pipe-cleaners
- Unifix™ cubes





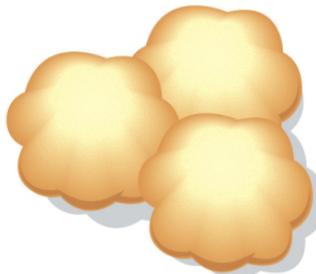
### Baking biscuits

#### TASK:

Design and create simple biscuits by mixing materials together.

#### CRITERIA:

- You must follow the simple recipe by scanning the QR code.
- You must make 30 biscuits and share them evenly among group members.
- You must use a clock or timer to record how long the biscuits have cooked for.



#### SUGGESTED MATERIALS:

- 2 cups of self-raising flour
- a pinch of salt
- 180 g of butter
- $\frac{1}{2}$  cup of sugar
- 1 egg, beaten
- a bowl
- a wooden spoon
- a sieve
- an oven tray
- oven (Teacher)



## Repurposing plastic bottles

### TASK:

Design and create something out of a plastic bottle, so that it can be repurposed rather than recycled.

### CRITERIA:

- Any part of the plastic bottle can be used and must form the basis of your new object.
- The new object should be functional and have a purpose suitable for plastic.
- The object should look attractive.

### SUGGESTED MATERIALS:

- different-sized plastic bottles
- various craft materials



### Repurposing plastic bottles

- Research different ways that plastic bottles can be repurposed for a functional object.
- Draw a plan of your new object, including a description of its purpose.
- Collect the materials you will need, including different-sized plastic bottles and various craft materials depending on your design.
- Create the new object to look like your plan.
- Check that the new object meets the criteria.
- Give a presentation explaining the new purpose of the plastic bottle and how it was made.



### Light-up art

#### TASK:

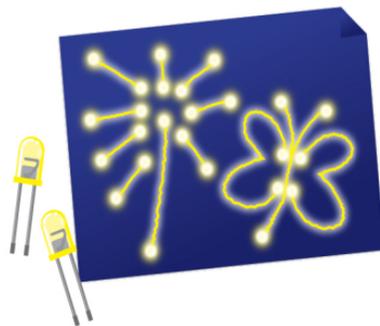
Design and create a piece of A5 cardboard art with LED lights incorporated into the design.

#### CRITERIA:

- Copper tape must be used to connect the battery to the LED legs.
- You must incorporate at least 6 LED lights into your design.
- You must include a simple switch to 'turn' the artwork on and off.
- Secure the LED lights in place by gluing your art on top, with holes cut out for the LED lights to appear.

#### SUGGESTED MATERIALS:

- coloured card
- surface mount LED lights powered by a 3V coin battery
- copper tape
- cardboard
- craft supplies



### Light-up art

- Find out about simple circuits using LED lights, and how copper acts as a conductor of electricity. Understand that the negative side of a coin battery connects to the negative leg of an LED, and the positive side of the battery connects to the positive leg of an LED.
- Plan and draw a diagram of the artwork for the front of the card and plan where the LED lights will be positioned. Sketch how the copper tape will be positioned on the piece of card.
- Collect the materials you will need, including coloured card, LED lights, a 3V coin battery, copper tape and other craft supplies.
- Create the light-up art to look like the plan.
- Check that the light-up art meets the criteria.
- Give a presentation to the class, explaining how the team worked out how to connect the battery to the LED lights. Discuss how you made the switch.

