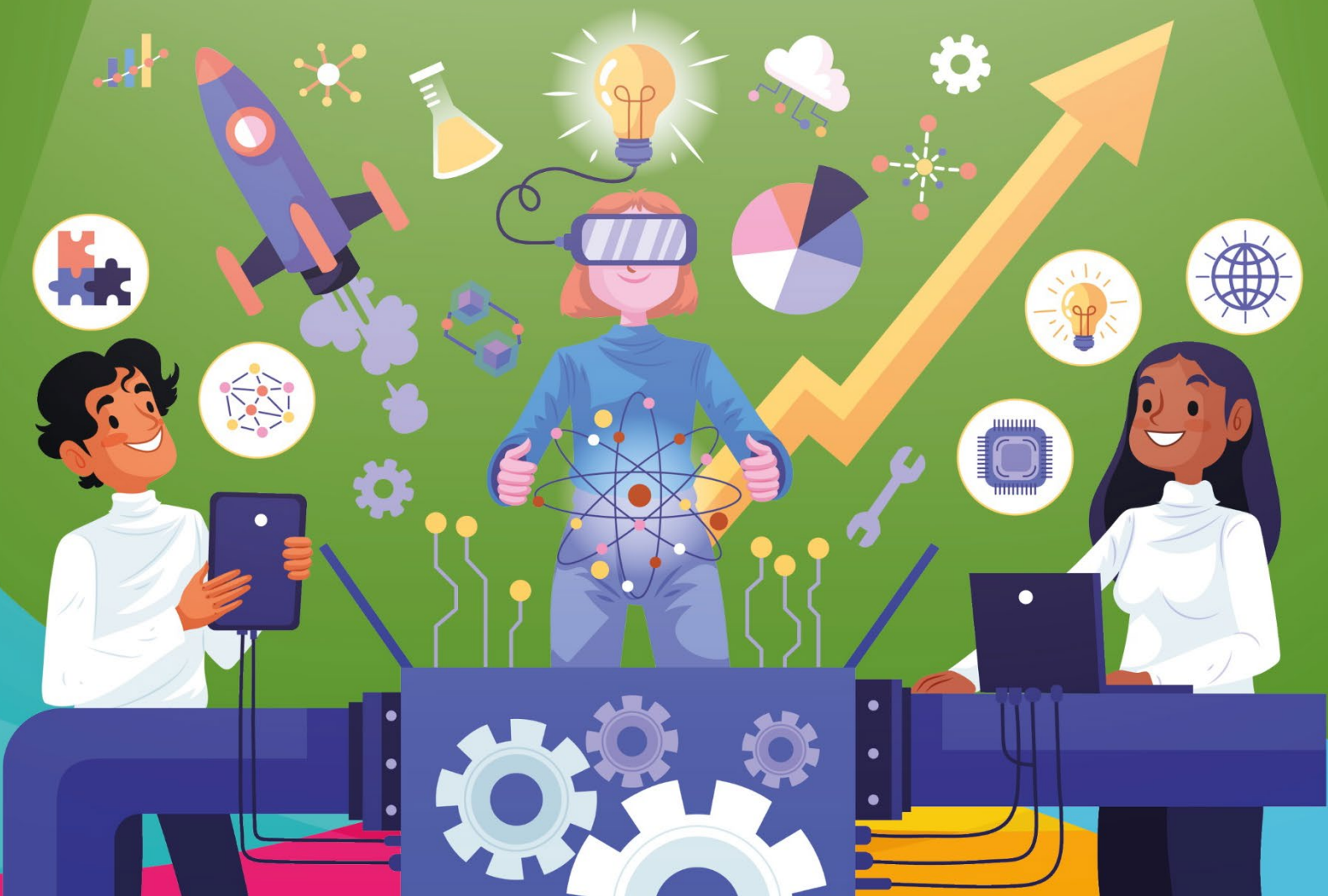




# Science Lab

# 3



## 9. Popcorn machine

**Topic:** Heat conductors

**Objective:** Students will learn about aluminum being one of the best heat conductor materials because it can make a great amount of heat flow-pass as well as reaching a high point of heat – enough for making popcorn.

**Vocabulary:** heat conductor, reach, upper

**Materials:**

- 2 soda cans	- A small bowl
- A cutter(s) or scissors	- A small, round candle
- A marker	- Some matches
- Popcorn	- A hammer
- Kitchen oil	

### Development:

- **Read and look at the pictures.**

**Step 1.** Wash up the cans of soda.

**Step 2.** Mark and cut a door-lid at the upper part of one of the cans.

**Step 3.** With the second can, cut 1/3 at the upper part off, mark and cut two rectangles to make the burner.

**Step 4.** Use a hammer to flatten the centre part of the burner.

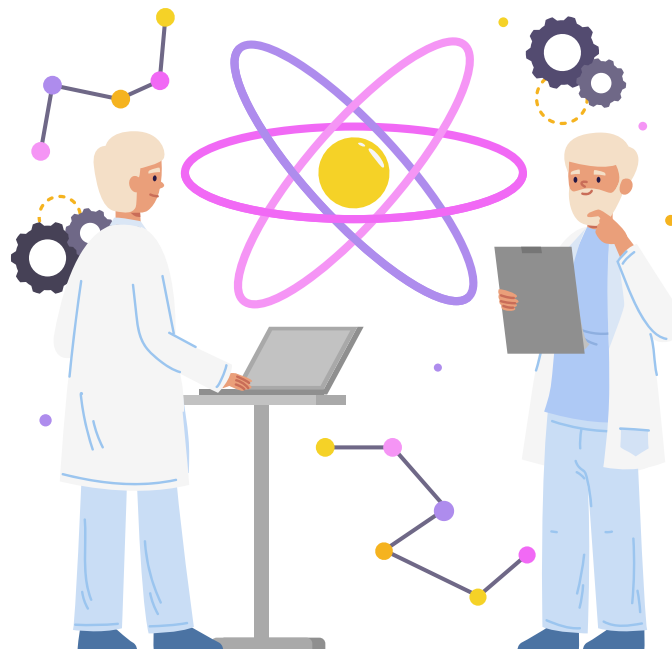
**Step 5.** Mark and cut some slides – fold them in the burner.

**Step 6.** Place the candle in the burner and light it – then put the other can on top of the burner.

**Step 7.** Place the small bowl at the machine line to catch the popcorn.

**Step 8.** Put a little oil in the machine and some popcorn.

**Step 9.** Wait for the popping to start and watch the popcorn get into the bowl.



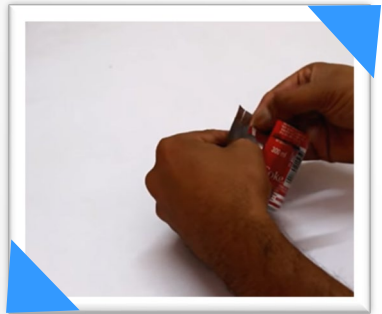
Step 1.



Step 3.



Step 5.



Step 7.



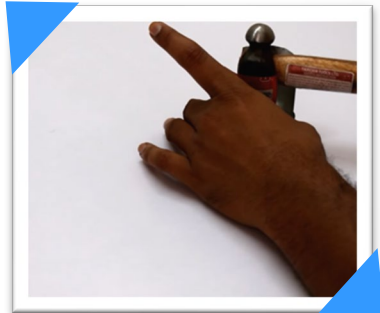
Step 9.



Step 2.



Step 4.



Step 6.



Step 8.



**Tell us...**

**Look, read and guess the words.**

- |   |                   |
|---|-------------------|
| 0. Object used for writing, commonly made of wood.                          | pencil            |
| 1. Item used for cutting paper, cardboard, cloths, etc.                     | s _ _ _ _ _ _ _ _ |
| 2. Different colour objects used for writing on a whiteboard.               | m _ _ _ _ _ _ _   |
| 3. Mums use this liquid to fry some food.                                   | o _ _             |
| 4. This hard tool can be used to hit nails or things to get them flat.      | h _ _ _ _ _ _     |
| 5. You can light one of these with a match or a lighter to see in the dark. | c _ _ _ _ _ _ _   |

**Glue a picture of your project finished!**

Popcorn machine

Glue your  
picture here  
:)

1. What was your favourite part of the project? \_\_\_\_\_.

2. What, exactly, did you like the most?  
\_\_\_\_\_.

3. Extra notes on what you observed during the project. \_\_\_\_\_  
\_\_\_\_\_.

4. Can you see or apply the information from the project in real life? YES / NO  
Explain: \_\_\_\_\_  
\_\_\_\_\_.

5. Was it easy to get the materials for the project? YES / NO  
Explain: \_\_\_\_\_  
\_\_\_\_\_.