



# Enrichment Homework

## Summer 2

**Year Group:** 8

**Subject:** Science

**Link to learning:** This half term, year 8 will look at combustion, discovering how burning fuel allows us to power machinery in everyday lives and in the wider world.

**Task:** Create a rocket from a plastic bottle using everyday materials.

Instructions on how to do this can be found in the following link:

<https://www.greenkidcrafts.com/how-to-make-a-diy-bottle-rocket/>

In your books you will write up how you conducted your investigation. This will include:

- Method - step by step instruction of how you built the rocket (with photos of each step.
- Safety precautions you need to consider.
- Conclusion - what caused the rocket to take off?
- Evaluation - How did the rocket perform - what could you do differently next time?

**Expectations:**

- Clear instructions of how to build the rocket with clear photos of key processes.
- Neat, legible handwriting.
- Clear explanation of why the rocket took off using scientific terms.
- Understanding of how to improve the design clearly explained.

**Due date:**  
Monday 18th July  
2022