



**Summer 2 Lesson 1**

**LO: To work scientifically – To ask my own questions and use different ways to answer them**

This picture below shows some of the important things we need to do to be a Year 3 scientist. This half term we are going to practise **working scientifically**. How many of these skills do you already use?



In Science there are so many questions to ask!  
To help us come up with questions, we can think about what would happen if we changed certain things in an investigation – we call these **variables**.

**This lesson you are going to be given a template to make a simple helicopter, and you will come up with a question that you can investigate using the helicopter.**



First, think of the things we could change about the helicopter and how it flies. For example, we could change:

- The material it is made from
- The size of the helicopter
- How high you drop it from
- The weight of its load (e.g. paper clip)
- The number of rotors

Canonbury Home Learning

Then, we can turn these ideas into questions using words like:

- Does \_\_\_\_\_ affect \_\_\_\_\_?
- Which \_\_\_\_\_ is the best for \_\_\_\_\_?
- What happens if you change \_\_\_\_\_?
- How long \_\_\_\_\_?
- How far \_\_\_\_\_?



## **Task:**

**Come up with a question you would like to investigate using the helicopter. Make sure it is something you are able to test at home!**

Consider:

**How are you going to answer this question?**

Will you have to do several tests?

Make several different helicopters?

**What resources will you need?**

Timer? Measuring tape? Different paper/card?

**How will you make sure your findings are reliable?**

Keep some things exactly the same each time? Retest?

**Carry out your investigation to find the answer to your question. You can record your investigation and findings however you like e.g. pictures, photos, video, writing, tables, diagrams.**

It should show:

- **Question** you are investigating
- **Method** (what you did)
- **Results** (what information/measurements/observations you gathered)
- **Conclusion** (the answer to your question using your results as evidence)



Have fun! We look forward to seeing what you found out!

# Paper Helicopter Instructions

Cut along the solid lines and fold along the dashed lines.



