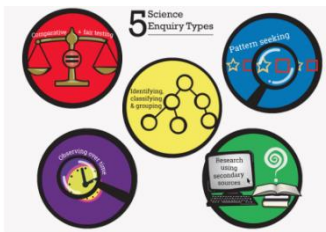


## Y3/4 Science: Big Science Event



### Why are we learning about the Big Science Event?

We are **building on previous learning about** conducting experiments and investigations in areas such as everyday materials and states of matter. We are also building on our knowledge of fair tests and how we observe and record our findings.

This **new learning is important because** it helps us to understand how to ask relevant questions so we can set up practical enquiries, and then be able to make systematic and careful observations.

This **will help us get ready for future learning** about planning scientific enquiries to answer questions, including being able to recognise and control variables. The Big Science Event can also introduce us to a range of scientific equipment that will be used in later schooling and life when increasing accuracy and precision in findings.

### Important questions to answer:

- What makes a good scientific question?
- How should we set up our practical investigation to answer our question?
- What observations do we need to make?
- What conclusions can we draw from our results?
- How can we best present and report on our findings?

### Experiences we will have:

- Plan & conduct our own scientific experiment in a small group
- Present our results to the class & choose our class winner
- Present our work to the school / Science Oxford

### Things we need to know:

- To know that scientific enquiries are designed to answer questions
- To know that there are 5 main types of scientific enquiry
- To know that the question I am asking will determine the type of enquiry I conduct

### Skills we need to learn:

- I can identify the right type of enquiry to answer my question
- I can make careful and systematic observations
- I can record my findings in a scientific way

### Subject Specific Vocabulary:

|              |               |             |
|--------------|---------------|-------------|
| differences  | conclusions   | observe     |
| similarities | identify      | data        |
| patterns     | experiment    | explanation |
| scientific   | investigation | equipment   |
| enquiry      | evidence      | results     |