



# Written Language:

## Storing knowledge

### Investigating paper properties

1

You have been provided with five different paper samples. Plan and carry out investigations to test the different papers' properties.

- How strong is it?
- How much water can it absorb?
- How waterproof is a paper sample?

You could use the following equipment:

- |                             |                                    |                          |
|-----------------------------|------------------------------------|--------------------------|
| ● 250ml beakers             | ● Elastic bands                    | ● Stop clocks            |
| ● 10ml measuring cylinders  | ● Tape                             | ● Hole punch             |
| ● 250ml measuring cylinders | ● Retort stands, bosses and clamps | ● 10g masses with hanger |
| ● Petri dishes              | ● Pencils                          | ● Scissors               |
| ● Pipettes                  | ● Rulers                           |                          |

Remember, think:

- Fairness
- Precision
- Reliability
- Accuracy
- Safety

2

Rank the papers for each property. Start with the best and end with the worst.

3

Produce an exhibition made up of three poster boards to communicate the outcomes of your investigations. Make your exhibition, eye catching, clear, and easy to read. It should summarise the key outcomes of your investigations.

The exhibition must include:

- Title
- Hypothesis
- Method
- Results
- Discussion
- Conclusion
- Evaluation