



Knowledge Organiser: Science Year 2 – Autumn 2 – V4 2023



Children will know:

Materials

- Name an object, say what material it is made from, identify properties and make a link between property and use.
- Whilst changing a shape of an object can describe the actions used.
- Use suitable vocabulary.
- Perform simple tests relevant to properties.
- Describe similarities and differences.

Prior EYFS Learning Links:

EYFS – Nursery F1

- Explores collections of materials with similar and/or different properties.
- Talks about the differences between materials and changes they notice.
- Makes simple predictions with support.

EYFS – Reception F2

- Comments on unknown objects, based on their own exploration.
- Makes simple predictions with support.
- Carries out simple set up experiments (sorting materials) that enables them to talk about similarities – classifying.

Prior Year 1 Learning Links:

Year 1 – Materials

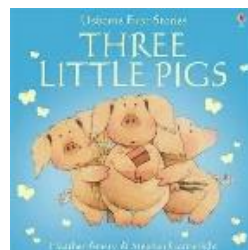
Working Scientifically

- Identify a variety of materials by looking at objects closely.
- Record results in a table.
- Draw a basic conclusion using scientific language and consider if materials are suitable for purpose.
- Carry out a simple comparative test using their own ideas.
- Make predictions based on the best materials to block out light and report and interpret findings.
- Evaluate a test and suggest improvements.

Key Vocabulary:

- | | | | |
|-----------|----------|--------------|---------------|
| • Wood | • Rock | • Suitable | • Transparent |
| • Plastic | • Brick | • Unsuitable | • Opaque |
| • Glass | • Fabric | • Useful | • Waterproof |
| • Metal | • Card | • Hard | • Absorbent |
| • Water | • Rubber | • Soft | • Rigid |

Reading Recommendations



John Dunlop



Oliver Rackham