

Year 5 Science - Properties of Materials - Autumn 1

What am I going to learn in this unit?

Sticky Knowledge

- I can determine the hardness of different materials and link this to their uses.
- I can determine the transparency of different materials and link this to their uses.
- I can determine the thermal and electrical conductivity of different materials and link this to their uses.
- I can demonstrate reversible and irreversible changes.
- I can identify and describe reversible and irreversible changes.

Working Scientifically:

- I can plan and draw a table of results.
- I can write a detailed, organised and easy to follow method.
- I can write a prediction using what I already know to support me.
- I can analyse observations about irreversible changes and use them to write a conclusion.
- I can measure accurately.

Vocabulary I need to know

Properties



A quality belonging to something, e.g. hardness, conductivity, flexibility, magnetism, transparency.

Conductor



A material that heat or electricity can easily travel through.

Insulator



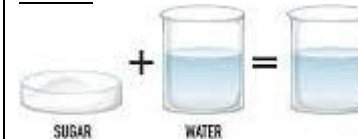
A material that does not let heat or electricity travel through them.

Dissolving



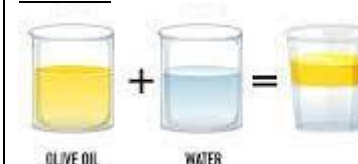
Creating a solution made when solid particles are mixed with liquid particles.

Soluble



Materials that dissolve.

Insoluble



Materials that don't dissolve.