



Jerry Clay Academy Subject Unit Overview



Subject: Science (Everyday Materials) Year Group: 1 Term: Autumn

Core Learning of This Unit:

- To describe and compare the simple physical properties of a variety of everyday materials.
- To name a variety of everyday materials, including wood, plastic, glass, metal, brick, paper, fabrics, elastic, foil water, and rock.
- To know the difference between an object and the material from which it is made.
- To be aware of the physical properties of materials such as: hard/ soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not waterproof; absorbent/not absorbent; opaque/transparent.

Prior Learning:

From Foundation Stage:

Knowledge of similarities and differences in relation to objects and materials (e.g. clothes they wear in winter).



National Curriculum Statements:

Pupils should be taught to:

- Distinguish between an object and the material from which it is made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

Key Vocabulary:

- **material**-what an object is made from.
- **hard**-not easily broken or bent.
- **soft**-easy to cut, fold or change the shape of.
- **stretchy**-can be pulled to make it longer or wider without breaking.
- **shiny**-reflects light easily.
- **dull**-doesn't look bright or shiny.
- **rough**-feels and looks uneven or bumpy.
- **smooth**-has no holes, lumps or uneven surfaces.
- **bendy**-can be moved easily into a curved or folded shape.
- **waterproof**-keeps water out, keeps things dry.
- **absorbent**-soaks liquid up.
- **transparent**-objects can be seen through.
- **opaque**-objects can't be seen through.

Significant People

Revathi S. Kamath is an Indian architect in Delhi. She is a pioneer of mud architecture in India. She is also credited with building the tallest stainless steel structure in India.