



Properties and

| Key Vocabulary | | | |
|----------------|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

Changes of Materials

Science

Year 5

Pre existing knowledge

- A variety of everyday materials including wood, plastic, glass, metal, water and rock.
- The physical properties of a variety of everyday materials (including those that are • transparent) and to compare and group materials on the basis of these properties.
- How magnets and electrical circuits work. .
- How shapes of solid objects can be changed by squashing, bending, twisting and stretching. •
- Materials that are solids, liquids and gases and their particle structure. •
- Some materials Change state when they are heated or Cooled and the temperature at which • this happens.
- Some rocks are permeable.

| Key Vocabulary | | |
|------------------------|--|--|
| Materials | The substance something is made out of. | |
| Solids | One of the three states of matter. The particles are packed together tightly. | |
| Liquids | This state of matter Can flow and takes shape of the Container it is placed in. Particles are still close, but slightly looser than a solid. | |
| Gases | The third state of matter. The particles are further away than the other states and are free to move around. | |
| Melting | The process of heating a solid until it Changes into a liquid. | |
| Freezing | The process of cooling a liquid until it becomes a solid. | |
| Evaporating | When a liquid turns into a gas or vapour. | |
| Condensing | What a gas is cooled and turns into a liquid. | |
| Conductor | A material that allows heat or electricity to flow through it easily. | |
| Insula t or | A material that does not let heat or electricity travel through it. | |
| Transparent | See through. | |
| Opaque | Solid Colour – unable to see through. | |
| Translucent | Can see shapes through, not completely clear or solid in colour. | |

