

## Science Vision Map

### Year 5 – Materials

#### **Crucial Knowledge**

- Materials are what objects are made from.
- Insulators do not let heat or electricity go through them.
- A conductor is a material that heat and electricity easily travel through.
- Matter is something that takes up a space (an area).
- There are three states of matter. These are: gas, liquid and solid.
- Some times when materials have changed their 'state' they cannot go back to the way it was before (burnt wood) but other times they can (water and ice).
- Dissolving is when solids are mixed with liquids.

#### **Intent**

- Recap: States of matter (Year 4)
- Purpose and properties of materials.
- Insulators and conductors.
- Changing states.
- Chemical reactions.
- Dissolving: soluble and insoluble.
- Separating materials: reversible and irreversible changes.

