|  |
| --- |
| Year 5 Science – Properties of Materials – Autumn 1 |
| What should I already know? | What am I going to learn in this unit? | Vocabulary I need to know |
| * I can report of my findings to link it to my knowledge about states of matter.
* I can observe and record what I see in during experiments in notes and tables.
* I can use a thermometer to measure temperature.
* I understand the different states of matter: solid, liquid and gas.
* I understand how some materials can change state
* I know the temperature at which some materials change state.
* I know the part played by evaporation and condensation in the water cycle.

I understand the process of the water cycle  | * I understand how to compare and group different materials by their properties.
* I understand the process of dissolving.
* I know how to use my knowledge of the states of matter to help me separate mixtures.
* I know everyday uses for particular materials due to their properties.
* I understand how to demonstrate reversible changes and explain irreversible changes
* I can plan enquiries to investigate the properties of materials and mixtures.
* I can record data in tables and bar charts.
* I can report my findings orally and written.
 | 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.  |
| SolubleC:\Users\bantrobus\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\B42CDC1E.tmp | Materials that dissolve.  |
| InsolubleC:\Users\bantrobus\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\B42CDC1E.tmp | Materials that don’t dissolve.  |