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| 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. |
| Soluble  C:\Users\bantrobus\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\B42CDC1E.tmp | Materials that dissolve. |
| Insoluble  C:\Users\bantrobus\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\B42CDC1E.tmp | Materials that don’t dissolve. |