

Working Scientifically means I can:

1. Plan different types of scientific enquiry.
2. Control variables in an enquiry.
3. Measure accurately and precisely using a range of equipment.
4. Record data and results using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
5. Use the outcome of test results to make predictions and set up a further comparative fair test.
6. Report findings from enquiries in a range of ways.
7. Explain a conclusion from an enquiry.
8. Explain causal relationships in an enquiry.
9. Relate the outcome from an enquiry to scientific knowledge in order to state whether evidence supports or refutes an argument or theory.
10. Read, spell and pronounce scientific vocabulary accurately.

Being a biologist means I can:

Animals, including humans

1. Create a timeline to indicate the stages of growth in humans.

Living things and their habitats

2. Describe the life cycle of different living things e.g. mammal, amphibian, insect, bird.
3. Describe the differences between different life cycles.
4. Describe the process of reproduction in plants.
5. Describe the process of reproduction in animals.

Being a Scientist Year Five

Being a chemist mean I can:

Properties and changes of materials.

1. Compare & group materials based on their properties e.g. hardness, solubility, transparency, conductivity (electrical & thermal) and response to magnets.
2. Describe how a material dissolves to form a solution.; explaining the process of dissolving.
3. Describe & show how to recover a substance from a solution.
4. Describe how some materials can be separated.
5. Demonstrate how some changes are reversible and some are not.
6. Explain how some changes result in the formation of a new material & that this is usually irreversible.
7. Discuss reversible & irreversible changes.
8. Give evidenced reasons why material should be used for specific purposes.

Being a physicist means I can:

Earth and space

1. Describe and explain the movement of the Earth and other planets relative to the sun.
2. Describe and explain the movement of the moon relative to Earth.
3. Describe and demonstrate how night and day are created.
4. Describe the Sun, Earth, and Moon (using the term spherical).

Forces

5. Explain what gravity is and its impact on our lives.
6. Identify and explain the effect of air resistance.
7. Identify and explain the effect of water resistance.
8. Identify and explain the effect of friction.
9. Explain how levers, pulleys and gears allow a smaller force to have a greater effect.