



Key Skills
I can ask a question with a clear scientific purpose.
I can choose the best method to carry out an investigation.
I can plan for the method I have selected.
I can make a variety of accurate measures using equipment.
I can choose a range of observations and measurements to make
I can use scientific diagrams, classification keys, tables, graphs and models to record data.
I can give my findings orally, in writing and by displays using scientific language.
I can use models to help explain scientific ideas
I can explain how evidence gathered supports my scientific knowledge and understanding
I can recognise limitations within my evidence and investigations
I can use my results to set up further tests.
Living Things
I can describe the different life-cycles of a mammal, bird, amphibian, and insect
I can compare the life-cycle of different animals
I can explain asexual and sexual reproduction in plants
I can name and label the different reproductive parts of a flower
I can describe the reproduction process in an animal
Animals
I can explain how a human grows from a baby to old age.
I can describe the gestation of a human.
I can compare the gestation of a human and different animals.
I can use a timeline to explain human development.
Materials
I can compare and group materials by their properties.
I can dissolve a material, and recover the material from a solution.
I can use filtering, sieving and evaporating to separate mixtures.
I can explain what is a reversible and irreversible change.
I can explain the use of materials based on comparative fair tests.
Earth and Space
I can explain how the Earth and planets move around the Sun.
I can explain what the moon is and its phases.
I can explain how the movement of the Earth causes day and night
I can explain how the rotation of the Earth causes the seasons.
I can explain the apparent movement of the Sun across the sky.
I know that I should never look directly at the Sun.
Forces
I understand that the force of gravity pulls things to Earth.
I can explore gravity and air resistance.
I understand that friction, air and water resistance slow things.
I understand how a mechanism can have a greater effect.
I can use a mechanism to allow a force to have a greater effect.
I understand how to use a force meter.