

Year 3 Working Scientifically	
Use different ideas and suggest how to find something out	
Plan a fair test and explain why it was fair	
Set up simple practical enquiries, comparative and fair tests	
Explain why they need to collect information to answer a question	
Make systematic and careful observations and, where appropriate, take accurate measurements using standard units	
Record their observations in different ways, for example, labelled diagrams, charts etc.	
Explain what they have found out and use their measurements to say whether it helps to answer their question	
Use a range of equipment	
Rocks and Soils	
Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties	
Describe in simple terms how fossils are formed when things that have lived are trapped within rock	
Recognise that soils are made from rocks and organic matter	
Animals including Humans and Plants	
Identify and describe the functions of different parts of flowering plants, for example, roots, stem/trunk, leaves and flowers	
Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant	
Investigate the way in which water is transported within plants	
Explore the part that flowers play in the life cycle of flowering Plants, including pollination, seed formation and seed dispersal	
Identify that animals, including humans, need the right types and amount of nutrition	
Understand that that they cannot make their own food; they get nutrition from what they eat	
Identify that humans and some other animals have skeletons and muscles for support, protection and movement	
Light and Shadows	
Recognise that they need light in order to see things and that dark is the absence of light	
Notice that light is reflected from surfaces	
Recognise that light from the sun can be dangerous and that there are ways to protect their eyes	
Recognise that shadows are formed when the light from a light source is blocked by a solid object	
Find patterns in the way that the size of shadows change	
Forces and Magnets	
Compare how things move on different surfaces	
Notice that some forces need contact between two objects, but magnetic forces can act at a distance	
Observe how magnets attract or repel each other and attract some materials and not others	
Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials	
Describe magnets as having two poles	
Predict whether two magnets will attract or repel each other, depending on which poles are facing	