



Roose School Science Long Term Plan

Year 1	Animals incl humans Identify and name common animals Describe and compare structure Identify, name and label parts of human body	Everyday materials Distinguish between object and material Identify and name common materials Describe physical properties Compare and group Change solid objects	Plants Identify and name Identify and describe	Seasonal changes Changes of seasons Weather and day length associated with seasons	
Year 2	Animals incl humans Offspring Needs of animals incl humans Importance of diet and exercise	Living things and their habitats Living and none living things Identify animals, plants and habitats Simple food chains	Use of everyday materials Identify and compare uses or everyday materials Compare movement on different surfaces	Plants Seeds and bulbs growing Healthy plants	
Year 3	Rocks Compare and group rocks Describe formation of fossils Recognise matter which makes rocks	Forces and magnets Distance of forces Attraction and repelling of magnets Group magnetic materials Poles of magnets Make	Animals incl humans Nutrition Skeletons and muscles	Light Notice that light is reflected from surfaces Find patterns that determine size of shadows	Plants Functions of parts of flowering plants Requirements for life and growth Water transportation in plants Pollination, seed dispersal and seed formation
Year 4	All living things Identify, classify and name living things Recognise changes in environment and dangers of this	Sound Identify how sounds are made Patterns in pitch Patterns in volume and vibrations	Electricity Appliances using electricity Construct series circuit Make predictions Recognise and use switches Conductors and insulators	States of matter Solids, liquids and gases Changes of state Evaporation, condensation and water cycle	Animals incl humans Digestive system Teeth Food chains
Year 5	Properties and changes of materials Compare and groups materials Dissolving and solidifying Filtering, sieving and evaporation Reversible and irreversible changes	Earth and space Movement of planets relative to Sun Spherical bodies Rotation of Earth and it's affect on day and night	Forces Gravity Air resistance, water resistance and friction Gears, pulleys, levers and springs	Animals incl humans Changes in humans from birth to old age	All living things Differences in life cycles Process of reproduction in plants and animals
Year 6	All living things Classify living things, incl micro-organisms Reasons for classification	Animals incl humans Circulatory system, function of heart, blood vessels and blood Diet, exercise, drugs and lifestyle Nutrient and water	Evolution and inheritance Changes over time Information provided by fossils Variation in offspring Animal and plant adaptation	Light Light travels in straight lines How objects are seen Shadows	Electricity Voltage of cells in a circuit Variation in component function of a circuit Use symbol circuits

Note: Individual Class Teachers will teach areas in their chosen order, please see class long term plans for details



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