

Science Long Term Plan

Snowdon Science

Autumn Term		Spring Term		Summer Term	
<p style="text-align: center;">Ourselves</p> <p>FS2</p> <ul style="list-style-type: none"> • Talking about their bodies • Use senses • Notice similarities and differences <p>Y1</p> <ul style="list-style-type: none"> • Identify, name, draw and label body parts • Explore the 5 senses 	<p style="text-align: center;">Exploring Materials</p> <p>FS2</p> <ul style="list-style-type: none"> • Sorting, building and exploring textures of natural and man-made materials <p>Y1</p> <ul style="list-style-type: none"> • Identify everyday materials (wood, plastic, metal, glass, water, rock) • Distinguish between an object and the material it is made from • Describe simple properties 	<p style="text-align: center;">Seasonal Changes: Winter & Weather</p> <p>FS2</p> <ul style="list-style-type: none"> • Explore ice, snow, frost • Observe seasonal changes <p>Y1</p> <ul style="list-style-type: none"> • Observe and describe weather patterns • Record day length changes 	<p style="text-align: center;">Amazing Animals</p> <p>FS2</p> <ul style="list-style-type: none"> • Learn about farm animals, pets, mini beasts • Compare big/small, baby/adult animals <p>Y1</p> <ul style="list-style-type: none"> • Identify and name common animals (fish, amphibian, reptiles, birds, mammals, carnivores, herbivores, omnivores) 	<p style="text-align: center;">Plants & Growth</p> <p>FS2</p> <ul style="list-style-type: none"> • Plant seeds and bulbs, watch them grow. • Explore flowers and trees <p>Y1</p> <ul style="list-style-type: none"> • Identify and name common plants (including evergreen and deciduous trees) • Describe the basic structure of flowering plants and trees 	<p style="text-align: center;">Materials in action</p> <p>FS2</p> <ul style="list-style-type: none"> • Explore floating/sinking, building with different materials <p>Y1</p> <ul style="list-style-type: none"> • Compare and group materials based on properties <p style="text-align: center;">*Observe and describe changes in weather (summer)</p>

On going: observe changes across the 4 seasons/ observe and describe weather associated with the seasons and how day length varies

Olympus 2-Year Cycle Science

	Autumn Term	Spring Term	Summer Term
Cycle A	<p>Living things and Their Habitats</p> <p>Y2</p> <ul style="list-style-type: none"> • Living, dead, never alive • Simple habitats • Food chains <p>Y3</p> <ul style="list-style-type: none"> • Classification and simple grouping 	<p>Plants</p> <p>Y2</p> <ul style="list-style-type: none"> • What plants need to grow • Seeds/bulbs <p>Y3</p> <ul style="list-style-type: none"> • Parts of plants • Functions of plants • Water Transport • Pollination • Seed Dispersal 	<p>Animals including Humans</p> <p>Y2</p> <ul style="list-style-type: none"> • Offspring grow into adults • Basic needs • Exercise/food/hygiene <p>Y3</p> <ul style="list-style-type: none"> • Skeletons • Muscles • Nutrition
Cycle B	<p>Materials & Rocks</p> <p>Y2</p> <ul style="list-style-type: none"> • Suitability of everyday materials • Changes of shapes of objects <p>Y3</p> <ul style="list-style-type: none"> • Types of rocks • Fossils • Soils 	<p>Forces and Magnets</p> <p>Y3</p> <ul style="list-style-type: none"> • Pushes/pulls • Contact/non-contact • Magnetic materials • Poles • Uses of magnets 	<p>Light</p> <p>Y3</p> <ul style="list-style-type: none"> • Reflection • Dangers of the sun • Shadows <p>Plants/Animals Habitats consolidation</p> <ul style="list-style-type: none"> • Revisit Y2/3 objectives: Growing plants, mini beast habitats, local environment study

*Seasonal Changes on going through observations throughout the year

Everest 3-Year Cycle Science

	Autumn Term	Spring Term	Summer Term
Cycle A	Living things and their Habitats (Y4) <ul style="list-style-type: none"> • Grouping • Classification Keys • Changing Environments 	States of Matter (Y4) <ul style="list-style-type: none"> • Solids liquids gases • Changes of state • Water Cycle 	Forces (Y5) <ul style="list-style-type: none"> • Gravity, friction, air and water resistance • Levers, Pulley and gears
Cycle B	Animals Including Humans Y4 <ul style="list-style-type: none"> • Digestive System • Teeth • Food chains Y6 <ul style="list-style-type: none"> • Circulatory System • Diet and exercise 	Properties and changes of materials (Y5) <ul style="list-style-type: none"> • Reversible/irreversible changes • Filtering, dissolving, separating • Properties of materials 	Earth & Space (Y5) <ul style="list-style-type: none"> • Solar System • Planets • Moon Phases Sound (Y4) <ul style="list-style-type: none"> • How sounds are made • Vibrations • Patterns between pitch of a sound and features of the object • Patterns between volume of a sound and strength of vibrations
Cycle C	Living things and their habitats (Y5/6) <ul style="list-style-type: none"> • Life cycle of plants/animals • Reproduction • Classification of micro-organisms Evolution <ul style="list-style-type: none"> • Plants and animals adaptations and evolution 	Electricity Y4 <ul style="list-style-type: none"> • Simple circuits • Switches/conductors • Common conductors and insulators Y6 <ul style="list-style-type: none"> • Voltage • Circuit components • symbols 	Light (Y6) <ul style="list-style-type: none"> • how light travels • reflection • shadows • periscopes • How we see objects