

Odessa Infant School

CURRICULUM MAP - YEAR 1 and YEAR 2

Scientific Enquiry is done through out the year and across science topics.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>SCIENCE - Everyday Materials Scientific Enquiry Week 1 To classify objects and materials To identify what materials objects are made from Week 2 To observe and describe the physical properties of materials. To classify materials into different categories based on properties. Week 3 To predict then investigate what materials are waterproof To read results Week 4 To classify materials into waterproof and non-waterproof Week 5 To investigate the best material for a</p>	<p>SCIENCE - Light and Dark Scientific Enquiry Week 1 To identify sources of light To investigate how your sense can help you to see in the dark. Week 2 To classify natural and man-made light To explain day and night Week 3 To explain why certain sources of light are used To compare different sources of light. Week 4 To identify nocturnal animals To compare diurnal and nocturnal animals. Week 5 To investigate what objects and using my senses. To record my findings. Week 6 To observe reflects To identify why shiny things are shiny To explain why reflections happen</p>	<p>SCIENCE - Animals Week 1 To identify what a living thing is To classify living things into a range of categories. Week 2 To classify a range of animals into different groups To classify animals into a table Week 3 To compare bodies parts of animals To identify human body parts To identify human bones Week 4 To classify animals by diet. Record in a Venn diagram Week 5 To identify animals in our local environment To identify the basic care and needs of animals in our local environment.</p>	<p>SCIENCE - Plants and Seasonal Changes <i>Children are to plant seed and observe and record changes</i> Week 1 To understand what a plant is and to examine the parts of a plant To compare deciduous and evergreen trees in the local environment and understand what an environment is Week 2 To name a range of flowers To explain how certain vegetables and fruits grow. To observe and record in plants over time (planting seeds) Week 3 To discuss and explain the seasons of Summer and Autumn. To discuss and explain the seasons of Winter and Spring. Week 4 To compare seasons in</p>	<p>SCIENCE - Forces Scientific Enquiry Week 1 To observe an object in motion To describe and investigate how to make an object go faster or slower Week 2 To compare a big push and small push on an objects To investigate how a big push can effect an object on impact. To record results. Week 3 To predict then investigate how height can affect how fast an object moves. To record results in a table Week 4 To investigate then create a Venn diagram on objects that can be pulled or push or both To investigate when it is safe to stop an object from moving. Week 5 To identify gravity as a</p>	<p>SCIENCE - Animals including Humans Week 1 To identify, draw and label basic parts of the human body Week 2 To understand that different parts of the body is associated with each sense Week 3 To investigate the association between taste and smell. Week 4 To explain differences between animals to human Week 5 To compare the human body (baby, toddler, child, teenager, adult) Week 6 To explain the importance of healthy eation</p>

	parachute To read results Week 6 To predict then investigate what materials float To conclude what materials float	Week 7 To investigate opaque objects To gather data To conclude and investigation		countries on the equator and the Artic Week 5 To compare seasons in the UK to other countries. Week 6 To explain why differences may occur to plants over time/season	pulling force.	
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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 2	SCIENCE - Animals including Humans Week 1 To identify living and non-living things To identify what a human needs to survive Week 2 To identify the particular needs of a particular animal To identify the uses of medicine Week 3 To investigate the effect exercise has on our bodies To conclude the the effect exercise has on our bodies Week 4 To create life cycle	SCIENCE - Uses of Everyday Materials Scientific Enquiry Week 1 To classify objects and materials To classify materials into natural and natural occurring Week 2 To observe and describe the process of how man-made materials are made (glass, paper, plastic) Week 3 To identify the properties of certain materials To explore how some materials change shape when force is exerted on them. Week 4	SCIENCE - Sound Scientific Enquiry Week 1 To observe and name a variety of sources of sound To explore sounds they can make with their body parts. Week 2 To investigate sounds in the local environment To record of findings in a table Week 3 To investigate how to make a sound louder or softer To recognise that sounds get fainter as the distance from the sound source increases. Week 4 To investigate how many ways you can play musical	SCIENCE - States of Matter: ice, water, steam Scientific Enquiry Week 1 To explain the water cycle process To create a diagram of the water cycle To compare rainfall in different months of the year. Week 2 To investigate and discuss the effects of heat and cold on water To conclude an investigation and record Week 3 To investigate the effect of substances on the speed of melting ice To conclude an investigation	SCIENCE - All Living Things & Their Habitats Week 1 To identify the features of a local habitat To create a tally and bar chart Week 2 To name and identify plants and animals and their habitats To record results Week 3 To identify the key features of a polar habitat To identify the key features of a desert To compare habitats and animals of the polar/ desert Week 4 To compare rainforest to a local forest.	SCIENCE -Electricity Scientific Enquiry Week 1 To explain what electricity is To classify electrical appliances into mains and battery electricity. Week 2 To identify electrical hazard To create an electricity safety poster To explain how electrical appliances have replaced old appliances and methods Week 3 To create a working circuit To identify energy released from electrical appliances. Week 4 To investigate how a

	<p>of a human being To create the life cycle of an animal (frog or butterfly) Week 5 To identify the importance of hygiene for humans Week 6 To investigate the foods liked in in our class and create a tally and bar chart. To identify the importance of a balanced diet To create a food pyramid and identify foods in the pyramid groups.</p>	<p>To investigate the uses of materials To predict what materials could make an objects and record in a table. Week 5 To investigate what material is suitable for a specific purpose (spoon). To conclude what material is most suitable for a spoon. Week 6 To investigate the strength of materials To conclude which material is strongest</p>	<p>instruments To determine where sounds are coming from Week 5 To investigate what makes the best string phones To recognise and conclude that we are with our ears. Week 6 To describe sound they like and dislike (fire alarm siren, music) To investigate which ear protector is best. (earmuff over one or both ears)</p>	<p>To create a graph based on result Week 4 To investigate where water will evaporate the fastest To create a conclusion based on results Week 5 To explain why freezing in an important process on Earth Week 6 To explain the importance of water on Earth</p>	<p>To identify the features of a wetlands habitat. Week 5 To investigate a microhabitat To conclude an investigation Week 6 To investigate diet and habitat To compare teeth of herbivores and carnivores To create a simple food chain</p>	<p>battery works To create a model of a working torch To investigate the power of batteries. Week 5 To investigate materials that are conductors and insulators To create a conclusion based on results Week 6 To create a game based on electricity</p>
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