

The Shine Curriculum - Science

EYFS					
AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Seasons - Autumn	Seasons - Winter		Seasons - Spring	Looking for living things	Seasons - summer
Year 1/2 (A)					
AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Grouping animals. Describing and labelling body parts, omnivores, herbivores, carnivores. How offspring grow into adults.	Look at what materials toys are made from. Investigate friction using toy vehicles and different slopes.	Name and group everyday materials. Suitability of different materials.	Materials and properties and how they can be changed.	Identify and describe the structure of plants and trees. Grow own plants to describe how seeds and bulbs grow into mature plants. Discover suitable conditions for growth.	Describe animals and plants in a microhabitat (rockpools), how they are adapted to live there and simple food chains
Year 1/2 (B)					
AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Identify and name basic parts of the human body and which part is associated with each sense. How offspring grow into adults and basic needs for survival. Healthy lifestyles.	identify everyday materials and suitability for puppets.	identify and compare materials and suitability for floating and waterproofing.	We will be exploring Isaac Newton and his theory of gravity by planning, performing and concluding an experiment.	We will be learning how to change variables in our Scientific experiments. We will also be experimenting with spreading fire and learning about fire safety	We will identify habitats that different dinosaurs are adapted to and use simple food chains to describe their diet, talking about carnivores, herbivores and omnivores
Year 3/4 (A)					
AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Forces - pushes and pulls	Explore sound and how we hear. Investigate pitch and volume.	Learn about the skeletal, muscular and digestive systems in humans and human and animal teeth.		explore the different properties of rocks we would use to build specific megastructures. Investigate the formation of rocks and soils. We will learn how fossils are formed.	Learn about parts of a plant, by dissecting flowers, plants and fruit. Explore what plants need to grow and the life cycle of plants and recreate the greenhouse effect in our own miniature environment
Year 3/4 (B)					

AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Solids, liquids and gases. Heating and cooling different materials. Evaporation and condensation in the water cycle.	Lights and shadows; making shadow puppets of prehistoric animals. Reflections and how to protect ourselves from the sun	Magnets	Nutrition. Grouping animals Animal keys	Electricity	Classification keys for marine animals. Food chains
Year 5/6 (A)					
AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Gravity, air resistance, water resistance, friction		Living things, habitats, life cycles	Electricity	Evolution and inheritance	Light and shadows
Year 5/6 (B)					
AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Animals, circulatory system, diet, exercise, nutrition	Classification keys	Solar system	Properties and changes of materials; including dissolving, separating mixtures and chemical changes.	We will be investigating animals, including humans, and development into old age.	