Science							
Year 1	Vocab	Year 2	Vocab				
Plants and Plant Growth	Plant	I. LIVING THINGS AND THEIR ENVIRONMENTS					
	Grow	Teachers: Introduce the idea of interdependence between living things and their environment.					
Reading aloud, observation and activities such as growing plants from seed in	Seed	A. HABITATS					
varying conditions are useful ways to explore the following topics with children.	Root	Living things live in environments to which they are particularly suited.					
	Stem	• Specific habitats and what lives there, for example:					
Understand what plants need to grow: sufficient warmth, light and water. Page with the size part of plants and the size page to get a size p	Leaf	• Forest (for example: oak trees, squirrels, foxes, badgers, snails, mice)					
Recognise basic parts of plants: seeds, roots, stems, branches and leaves. Independent plants make their own food.	Branch	Meadow and plains (for example: wildflowers, grasses, prairie dogs) Underground (for example: foreign realize grasses)					
 Understand that plants make their own food. Recognise the importance of flowers and seeds. For example, seeds such as 	Trunk Flower	 Underground (for example: fungi, moles, worms) Desert (for example: cacti, lizards, scorpions) 					
rice, nuts, wheat and corn are food for plants and animals.	Warmth	• Water (for example: fish, oysters, starfish)					
Know that there are two kinds of plants: deciduous and evergreen.	Light	The food chain: a way of picturing the relationships between living things	Habitat				
Become aware of key aspects of farming.	Water	• Animals: big animals can be eaten by little ones, big animals die and are eaten by little	Food Chain				
How some food comes from farms as crops	Food	ones.					
How famers must take special care to protect their crops from weeds	Crops	Plants: nutrients, water, soil, air, sunlight	Woodland, water,				
and pests	Farm	B. OCEANS AND UNDERSEA LIFE	desert,				
How crops are harvested, kept fresh, packaged and transported for	Weeds	Most of the Earth is covered with water.	underground,				
people to buy and consume	Harvest	Locate oceans: Pacific, Atlantic, Indian, Arctic	omnivore,				
	Soil	Oceans are salt water (unlike fresh water rivers and lakes)	herbivore,				
Animals and their needs	Animals	• Coast, shore, waves, tides (high and low)	carnivore, extinct				
	Needs	• Currents, the Gulf Stream					
Through reading aloud, observation and activities, explore with children the common characteristics and needs of animals.	Pet Wild/Toma	Landscape of the ocean floor: mountain peaks and deep valleys (trenches) Diversity of ocean life; from organisms too small for the eye to see (plankton), to giant					
Common characteristics and needs of animals.	Wild/Tame Nest	• Diversity of ocean life: from organisms too small for the eye to see (plankton), to giant whales					
Distinguish between alive, dead and those that have never been alive.	Habitat	 Dangers to ocean life (for example, overfishing, pollution, oil spills) 	oceans, tides,				
Make the connection that animals, like plants, need food, water and space to	Care	C. ENVIRONMENTAL CHANGE AND HABITAT DESTRUCTION	currents				
live and grow.	Cat/Kitten	• Environments are constantly changing, and this can sometimes pose dangers to					
Recognise that plants make their own food, but animals obtain food from	Dog/Puppy	specific habitats, for example:					
eating plants or other living things.	Sheep/lamb	Effects of population and development					
Understand that offspring are very much (but not exactly) like their parents.	Cow/calf	Rainforest clearing, pollution, litter					
Understand that most animal babies need to be fed and cared for by their	Horse/foal	II. THE HUMAN BODY: SYSTEMS AND PREVENTING ILLNESS	Skeletal				
parents; human babies are especially in need of care when young.	Duck/duckling	A. BODY SYSTEMS	Muscular				
Recognise that pets have special needs and must be cared for by their	Chicken/chick	Teachers: Introduce the idea of body systems, and have children identify basic parts of the	Circulatory				
Owners.	Goat/kid Food	following body systems:	Digestive				
Describe the importance of exercise, a balanced diet and hygiene for humans	Water	Skeletal system: skeleton, bones, skull	Nervous				
	Vet	Muscular system: muscles Digastive system; mouth stomach	Skeleton, bone,				
	Space	Digestive system: mouth, stomachCirculatory system: heart and blood	knuckles, x-ray, muscle, heart,				
SPECIAL CLASSIFICATIONS OF ANIMALS	Home	Nervous system: heart and blood Nervous system: brain and nerves	blood, food,				
	Omnivore	1 Tervous system. Orani and nerves	digestion, saliva,				
Herbivores: plant-eaters (for example, elephants, cows, deer)	Herbivore	B. GERMS, DISEASES, AND PREVENTING ILLNESS	stomach, brain,				
Carnivores: flesh-eaters (for example, lions, tigers)	Carnivore	Taking care of your body: exercise, cleanliness, healthy foods, rest	nerves, senses,				
Omnivores: plant and animal eaters (for example, bears)		• Vaccinations	illness, health,				
Extinct animals (for example: dinosaurs)			germ, vaccination				
		III. MATTER	Matter				
The Human Body: The 5 Senses	Sight	Teachers: Introduce children to the idea that everything is made of matter, and that all matter	Changing State				
Identify the five senses and associated body parts:	Hearing	is made up of parts too small to see.	Atom Solid				
Identify the five senses and associated body parts:	Smell	Basic concept of atoms	Liquid Gas				
Sight: eyes	Taste	Names and common examples of three states of matter: Solid (for example, wood, rocks)	Water Ice Vapour				
Hearing: ears	Touch	• Solid (for example, wood, rocks) • Liquid (for example, water)	Air Atoms Molecules				
Smell: nose		Liquid (for example, water)Gas (for example, steam)	iviolecules				
		- Ous (101 example, sicam)					

Taste: tongue	Eyes, ears, nose,	Water as an example of changing states of matter of a single substance	
Touch: skin	mouth, fingertips,	IV. PROPERTIES OF MATTER: MEASUREMENT	Measurement
Touch. Skiri	skin, head, tongue,		Units Centimetre
Review the importance of taking care of your body: exercise, cleanliness, healthy	loud, quiet, sweet,	Teachers: Have children describe and classify objects according to what they are made of,	(cm), metre
foods and rest.	sour, salty, bitter,	and according to their physical properties (colour, shape, size, weight, texture, etc.)Units of measurement:	(m) Length
loods and rest.	Arms,		Inch, feet Ruler
	· · · · · · · · · · · · · · · · · · ·	Length: centimetre, metre Volumes millitare litro Volumes millitare	Volume Pint Litre
	legs, human body,	Volume: millilitre, litre Towns and the second Calaires Tow	
	exercise, sleep,	Temperature: degrees Celsius	Temperature Hot, cold
	healthy, washing, baths, teeth,		thermometer
	brushing	V. INTRODUCTION TO ELECTRICITY	Circuit
Seasons and the weather		V. INTRODUCTION TO ELECTRICITY	
Seasons and the weather	Spring Summer Autumn Winter	Tanahara Through reading aloud absorvation and avnoriment avnlors with shildren the basis	Electricity
The emphasis in Veer 1 should be an observation and description: technical		Teachers: Through reading aloud, observation and experiment, explore with children the basic	_
The emphasis in Year 1 should be on observation and description; technical	Hot Cold Cool Snow	principles of electricity and safety rules.	Power station
explanations of meteorological phenomena should be taken up in later years.	Cloud Weather	Static alactricity	Battery Cell Wire
Identify the four economic	Bloom Deciduous	• Static electricity Position parts of simple electric singuity (for example hottories wine hulb or human quitab)	Switch
Identify the four seasons. Pooling the describe characteristic level weather netterns during the different. Output Description of the different content content of the different content content content of the diffe	Evergreen Rain	Basic parts of simple electric circuits (for example, batteries, wire, bulb or buzzer, switch) Conductive and person ductive metaricle.	Conductor
Be able to describe characteristic local weather patterns during the different	Humid Temperature	• Conductive and nonconductive materials	Cross dile alia
Seasons.	Thermometer	• Safety rules for electricity (for example, never put your finger or anything metallic in an	Crocodile clip
Recognise the importance of the sun as a source of light and warmth. Industry and delivery at the report of the sun as a source of light and warmth.	Storm, Sky,	electrical outlet, never touch a switch or electrical appliance when your hands are wet or	Safety
Understand daily weather changes. Town and transfer are used to measure town are turn.	Wind	when you're in the bathtub, never put your finger in a lamp socket, etc.)	Experiment
Temperature: thermometers are used to measure temperature Clouds: rainfall cames from slouds.	Thunder	VI. INTRODUCTION TO ASTRONOMY	Astronomy
Clouds: rainfall comes from clouds Painfall: how the condition of the ground various with rainfall: rainbows.	Lightening	• Sun: source of energy, light, heat	Earth
Rainfall: how the condition of the ground varies with rainfall; rainbows Thunderstorms: lightning, thunder, bail, sefety during thunderstorms.	hail	Moon: phases of the moon (full, half, crescent, new) The sight planets (Manyara Veryas Forth More Lyniter Seturn Hanne Necture)	Solar system
Thunderstorms: lightning, thunder, hail, safety during thunderstorms Show an outleton blizzards		• The eight planets (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune)	Sun Mercury
Snow: snowflakes, blizzards		Note that, in 2006, Pluto was classified as a dwarf planet.	Venus
Toking care of the Earth	Dogwaling	Stars Constallations: The Planch	Earth Mars
Taking care of the Earth	Recycling Conservation	 Constellations: The Plough The sun is a star. 	Jupiter
Identify the importance of conservation: some natural resources are limited, as people must be coreful not to use the much of them. For example, legging	Forests		Saturn
so people must be careful not to use too much of them. For example: logging	Animals, trees,	• Earth and its place in the solar system The Forth mayor around the Sym the sun does not mayor.	Uranus
and subsequent reforestation.	, , , , , , , , , , , , , , , , , , ,	The Earth moves around the Sun; the sun does not move The Forth revelves (arine), one revelution takes one day (24 hours)	Neptune
Recognise practical measures for conserving energy and resources. For example, turn off uppresser yields to tightly turn off tone attains.	hiking, woods, wood, furniture, houses,	The Earth revolves (spins); one revolution takes one day (24 hours)	Pluto Moon Constellation
example: turn off unnecessary lights, tightly turn off taps, etc.	chairs, tables, paper,	Sunrise and sunset	
Understand that some materials can be recycled. For example: aluminium,		• When it is day where you are, it is night for people on the opposite side of the Earth VII. THE EARTH	Capernicus
glass and paper.	air, fresh, planting,		Crust Mantle
Become aware that pollution be harmful but, if people are careful, they can halp reduce pollution. For example, littering, among water pollution.	logging, water, tap,	A. GEOGRAPHICAL FEATURES OF THE EARTH'S SURFACE	Core Pole
help reduce pollution. For example, littering, smog, water pollution.	waste, recycling	• The shape of the Earth, the horizon	Equator
	centre, cans, glass,	Oceans and continents Note 1 Delay 1 Del	Volcano Lava
Materials	plastic, pollution	North Pole and South Pole, Equator North Tie Insulation	Geyser Mineral
Children should use correct vocabulary to describe different materials and their		B. WHAT'S INSIDE THE EARTH	Country City
· ·	Coft	• Inside the Earth	County City
properties. Sort materials into groups based on their properties. For example: soft,	Soft	Layers: crust, mantle, core	Town
hard, bendy, ability to float, magnetic or non-magnetic.	Hard	High temperatures	Village
Population and name a variaty of widely used materials. For example, was d	Flexible	Volcanoes and geysers Packs and minerals	
Recognise and name a variety of widely used materials. For example: wood, plastic rock paper metal.	Float	Rocks and minerals Formation and absorptionist of different binds of racks, materials in acceptable in the control of th	
plastic, rock, paper, metal. Explain why materials are chosen for specific tasks based on their proporties.	Magnetic	Formation and characteristics of different kinds of rocks: metamorphic, igneous, and important.	
Explain why materials are chosen for specific tasks based on their properties For example: week for clothing, glass for windows, wood for tables, motal for		sedimentary	
For example: wool for clothing, glass for windows, wood for tables, metal for bridges.	Insulate	Important minerals in the Earth (such as quartz, gold, sulphur, coal, diamond, iron ore)	
Become aware that some materials are natural and some are man-made.		VIII. SCIENCE BIOGRAPHIES	
Science Biographies		Rosalind Franklin (often-overlooked woman scientist)	
Joseph Banks (botanist)		Thomas Edison (invented an electric light bulb)	
Jane Goodall (studied chimpanzees)		Edward Jenner (found a way to stop smallpox)	
Wilburn and Orville Wright (made first aeroplane)		Louis Pasteur (made milk safe to drink)	
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