

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Reception</b>	Transition Explore weather, animals, plants, senses What the human body needs (oral hygiene, keeping fit, food)	Weather Season changes The 5 senses	Explore winter – weather, animals, plants, senses animals – woodland (Gruffalo/Goldilocks) Explore different habitats and settings e.g. river, snowstorm, cave	Explore Spring Weather, animals, plants senses, new life Growing beans – how do they change? What do they need? Grow plants, changes in nature	Seasonal changes Pets/companion animals – how to look after them/what do they need/babies Farm animals – where do they live/their babies/their care/their jobs Vets and other jobs with animals Minibeasts/ minibeast hunts	Explore summer – weather, animals, plants, senses Seaside holidays – sea creatures and rock pools Safari/jungle animals Animal habitats around the world
<b>SEASONS/WEATHER/AD-HOC INVESTIGATIONS TO FOLLOW CHN'S INTERESTS</b>						
<b>Year 1</b>	<b>Seasons and Materials</b> Describe weather associated with the 4 seasons create a weather diary use simple equipment to make observations. use weather tools to collect data group objects based on the material they are made of, their purposes, properties and how they are made		<b>Animals including humans</b> compare living and not-living things identify and name a variety of different animals compare a variety of different animals identify and name carnivores, herbivores and omnivores name and label parts of the human body		<b>Plants</b> understand what plants need to grow (sow seeds) ask simple questions and make a prediction (which one will grow best?) make simple observations (plants growing) use observations to answer questions (what have we found out – which ones grew best and why) identify and name different flowering plants and trees understand differences in plants between seasons (deciduous tree at different times of the year) identify how plants can reproduce (life cycle / seeds / seed dispersal)	
<b>HE</b>	<b>Outside area – garden centre role play / Growing beans / Avocado plant / walking to school</b>					
<b>Year 2</b>	<b>Living things and their habitats</b> Identify things that are living, dead and never lived. Match animals to their habitats Identify features and diet of an animal (omnivore, herbivore, carnivore) Explain a simple food chain.	<b>Animals including humans</b> Identify healthy and less healthy foods Understand personal hygiene (germs and how they spread) : Identify basic needs of survival (wants/needs) Recognise how a human changes as it gets older recognise similarities and differences between parents and offspring	<b>Everyday Materials</b> Describe materials that are around them and compare their suitability for different uses Explore how material can be changed (squashing, bending, twisting and stretching and heating and cooling) Investigate what happens to different materials	<b>Plants</b> Explore and find patterns with different plants and where and how they grow (including shady areas) Observe how plants begin to grow from a seed into a fully grown plant Label parts of a plant (Stem, leaves, roots, flower, shoot) Understand about plants we eat		
<b>HE</b>	<b>Growing vegetables in trugs / avocado plant / walking to school</b>					

<b>Year 3</b>	<b>Animals including humans</b> understand the meaning of a balanced diet and food groups key features of a skeleton and muscles animal nutrition animal skeletons	<b>Forces</b> Understand what a force is Investigate magnets	<b>Light and shadow</b> Understand what a light source is Explain how shadows are formed Understand how some materials reflect light better Understand how to be safe in the sun	<b>Plants</b> Know what plants need to grow Investigate how water is transported in plants Understand a plant life cycle and how they reproduce	<b>Rocks</b> Identify the features of different rocks Investigate the permeability of rocks Understand how fossils form
HE	Growing sunflowers /dog visit / walking to school / fish				
<b>Year 4</b>	<b>Living things and their habitats</b> Understand what makes a living thing (Mrs Gren) Classification (leaves and minibeasts) Understand classification keys Recognise the impact of changing environments	<b>Animals including humans</b> Construct simple food chains and connect them into webs To describe the digestive system in humans Identify the types of teeth in humans and link this to diet Understand how to keep teeth healthy	<b>States of matter</b> To know the properties of solids, liquids and gases Research and observe melting different solids To understand and investigate the water cycle	<b>Electricity</b> How to stay safe Understand that appliances use electricity Create and draw a simple circuit using drawings Understand conductors and insulators To make a simple switch	<b>Sound</b> Understand how sounds are made Understand how sound travels Find patterns with pitch, volume and vibrations Recognise the effect of distance on sound
HE	Dog visit / walking to school / waste / plants / food / carbon footprint				
<b>Year 5</b>	<b>Changes of materials</b> Explore, group and classify materials based on their properties Investigate solubility Separate materials Reversible and irreversible reactions	<b>Earth and space</b> Understand and explore the earth's rotation and orbit and how this affects daylight Understand the moon phases based on its orbit Understand approximate distances and sizes of planets in our solar system	<b>Forces</b> Explain the force of gravity Investigate friction Understand air resistance Understand upthrust Understand gears and pulleys and how they can be used to have a greater effect	<b>Living things and their habitat</b> Understand what global warming is and how to prevent it Tectonic plates Name the parts of a plant and flower (sepal, filament, stamen etc) Describe how plants reproduce (sexual/asexual) Seed dispersal Lifecycles of plants, amphibians and insects (metamorphosis), mammals, birds	<b>Animals including Humans</b> Describe changes in humans as they age Gestation and growth in babies
HE	Sowing seeds / growing vegetables / climate lesson / plastic lesson / walking to school				
<b>Year 6</b>	<b>Light</b> Recognise how light travels Explore shadows (size and colour)	<b>Evolution and inheritance</b> Understand inheritance and adaptation and how this leads to natural selection Using fossils as evidence for evolution	<b>Animals including humans</b> Understand how the human heart functions Describe the components of blood and blood vessels Understand how the lungs function Describe how nutrients and water are transported Recognise the impact of diet (the effects of a poor diet) and exercise Understand the effects of drugs	<b>Living things and their habitats</b> Classify organisms based on their physical characteristics (order, phylum etc) Design and use keys to classify organisms	<b>Electricity</b> Create a circuit and use recognised symbols Investigate how voltage affects output Explore why components might function differently
HE	GARDEN MONITORS / RECYCLING AND WASTE /				