Harewood Primary Long-Term Plan

	Autumn	Spring	Summer
Nursery	**Seasonal Change** Opportunities to discuss the weather and the start of autumn - *Observe changes across the seasons* **Materials:** Exploring paint and guttering-*Explore a variety of materials, tools and techniques* Exploring water falling on to umbrellas Building a wall for Humpty and his friends-*Use and explore a variety of materials, tools and techniques* **States of Matter** Ice Domes Magic colour mixing Water – exploring puddles and water Listening Walk Santa's Frozen Hat- *Exploring snow and ice* Explore colour mixing- *Use and explore a variety of materials, tools and techniques* **Forces:** Exploring ramps and moving vehicles **Plants** Why do leaves fall from trees? *Make observations of plants, discussing their needs* Explore different vegetables Explore a variety of breads	**Seasonal Change** Opportunities to discuss the weather- *Observe changes across the seasons* **States of Matter** Animals Trapped in Ice! *Exploring snow* Shrove Tuesday – how pancake ingredients change- *Exploring different states with ingredients* **Living things and their Habitat** Winter Animals from Cold Countries **Animals including Humans** Explore a range of jungle animals. Learn names and body parts Describe Farm animals and their environment **Humans** Healthy Eating- *Show awareness of good practices in regard to health* Exploring 'Our Senses' Decaying food Describe the local park Sequence family members by size and name (baby, child, adult) **Lifecycles** Springtime – baby animals–*observing changes in animals-hatching chicks* **Living things and their Habitat** Where I Live – the number on my door Describe the local park	**Seasonal Change** Opportunities to discuss the weather-*Observe changes across the seasons* **States of Matter** Exploring Gingerbread Men dipped in different water temperatures Making porridge – exploring changes-*Exploring solids in different water temperatures and states* **Plants** Planting cress, sunflowers, beans and vegetables Make observations of plants, discussing their needs **Forces:** Testing boats for the Gingerbread Man **Animals including Humans** Handa - Senses – Feel and Smell Tropical fruits **Living things and their Habitat** Special people who help us – in the wider community School – finding our way around school Going on Holiday. Journeys and transport *Talk about features of their immediate environment and how different environments vary*

Reception	**Seasonal Changes** Opportunities to discuss the weather and the start of autumn - *Observe changes across the seasons* **Animals including humans** How have I changed? Growing and Changes in humans-Me as a baby Keeping healthy (PSHE) **Environment** Where do we live? Classroom, school, my house, house numbers and street names to build address. Exploring google street maps Different houses	**Space** Comparing environments. What is in space? Planets earth, sun, moon, mars. Comparing planets Comparing aliens to us. **Materials** Can I be a scientist? . Rescuing a Penguin from ice Floating and sinking Materials – metal detectors Making Ted an umbrella testing what is waterproof	**Plants and Animals** What do living things need? Exploring & planting seeds Living and non-living objects Similarities and differences of living things. Life cycle of a caterpillar Looking at different environments **Planning journeys** Where can I travel to on holiday? Preparing to go on Holiday Comparing places, studying environments and maps Looking at weather and climate Food from around the world (tasting) Modes of transport
Year 1	**Seasonal Change** How do the seasons affect what we do? **Animals including Humans** Why are animals not like humans? All about me	**Everyday Materials** How do scientists investigate materials?	**Plants** Are plants alive? **Animals including Humans:** Why are animals not like humans? All about animals
Year 2	**Everyday Materials** What did they use to build our school?	**Animals including Humans** How do animals grow? Health & Survival/ Lifecycles **Plants** What can we grow in our garden?	**Living things and their habitats** Why would a giraffe not make a good pet? Local area/Around the world
Year 3	**Animals including humans** Why are skeletons important? **Rocks** Do rocks have a story to tell?	**Light** How do you make a shadow? **Forces and Magnets** What forces affect magnets?	**Plants** How does as seed turn into a plant? **Scientific Enquiry**

Year 4	**Living things and their habitats** Where do the wild things live in Thornaby? **Animals including humans** What happens to the food we eat?	**Living things and their habitats- Conservation** Where do the wild things live in Thornaby? **States of Matter** How should we survive without water?	**Electricity** How important is electricity? **Sound** Why do you like to make music?
Year 5	**Earth and Space** Will we ever send another man to the moon?	**Animals including humans** What is the circle of life? Describe the changes as humans develop to old age **Living things and their habitats** Why do I grow up? Life Cycles and Puberty	**Materials** What's the matter? Properties of Materials / Changes to Materials **Forces** Can you feel the force?
Year 6	**Light** You light up my life? **Animals including humans** What would a journey through your body be like?	**Electricity** Could you be an electronic game designer? **Living things and habitats** Is a whale a mammal? Classification	**Evolution and Inheritance** Have we always looked like this? **Looking After our Environment**