

Trumps Green Infant School Curriculum River Science

Reception The Natural World:

Plants:

Observe plants and how they change

Grow Beans/peas, cress

What do seeds need and how do we care growing plants

Vocabulary: water, sunlight, plant, grow, seed, soil, root, leaves, flowers

Animals Including Humans:

Observe animals and changes they go through – why do they occur?

How humans change and how we grow

Lifecycle of a butterfly – The very Hungry Caterpillar

Vocabulary: change, grow, different, same, similarities, baby/babies, adult, eggs, larvae, chrysalis, butterfly, minibeasts, insects, spider, wings, head, thorax, abdomen, antennae

Living things and their habitats:

Similarities and differences in relationship to living things and their habitats (Cross Curricular English)

Vocabulary: homes, habitats, live, stone, rock, logs, desert, ice, woodland, forest

Materials:

Similarities and differences of materials

Sorting, naming and describing materials and their uses, bridges, floating, sinking

Vocabulary: Wood, plastic, glass, textiles, rubber, float, sink, structure

Seasonal Changes:

Autumn/Spring/Summer walks – leaf hunt

What changes can we see/feel/hear

Describe the environment at home/ school.

Vocabulary: environment, seasons, changes, weather, hot cold, wet, notice

Year 1 and 2 Cycle B

Animals including Humans

Identify and name a variety of common animals

Describe and compare the structure of a variety of common animals including pets

Identify name, draw and label human body parts, naming the senses of different parts.

Vocabulary: fish amphibian, reptiles, birds, mammals, carnivore, herbivore, omnivore, classifying

Materials

Explore and name everyday materials that objects are made from.

Describe physical properties of materials

Compare and group materials for particular uses: Waterproofing wax resist pictures, fixing an umbrella

Vocabulary

squashing, bending, twisting, stretching, hard/soft, stretchy/stiff, rough/smooth, bendy/rigid, waterproof/not waterproof, absorbent/not absorbent, opaque/transparent, wood, metal, glass, plastic, brick, paper, cardboard, rock, wax resist

Plants

Identify and name plants and trees.

Identify and name the structure of plants and trees.

Grow sunflowers to investigate structure and changes over time

Vocabulary: seed, stem, root, petal, trunk, flower, fruit, deciduous, evergreen

Seasons

Observe and describe the changes across the four seasons including the weather – ice hand, penguin huddle, snow flakes

Vocabulary: observe, describe, season, weather, seasonal, varies

Year 1 and 2 Cycle A

Animals including Humans

Notice that animals including humans have offspring (butterflies, chickens, humans)

Vocabulary: egg, chick, pupa, chrysalis, pupate, insects, metamorphosis

Describe the importance of exercise diet (the right amounts of different foods), hygiene washing hands experiment, sugar smart investigation
Basic needs for survival – keep a pet alive

Vocabulary: Survival, nutrition, reproduction, growth, healthy

Materials

Explore and name everyday materials that objects are made from. Do all metals attract to magnets?

Describe physical properties of materials –

Compare and group materials for particular uses: Three Little Pigs Houses

How can shapes of solid objects change?

Vocabulary: squashing, bending, twisting, stretching, hard/soft, stretchy/stiff, rough/smooth, bendy/rigid, waterproof/not waterproof, absorbent/not absorbent, opaque/transparent, wood, metal, glass, plastic, brick, paper, cardboard, rock

Plants

Observe and describe how seeds and bulbs grow – seed dispersal, hydroponic beans (root structure/how they grow)

Find out and describe how plants need water, light and the correct temperature to grow and stay healthy – growing cress (light and dark)

Vocabulary: hydroponic, seed dispersal, spreading, pollination, decompose

Living things and habitats

Explore and compare the differences of living, dead, never alive.

Identify things that live and describe how their habitat is suitable to them and how their habitat provides for them.

Identify and name a variety of plants and animals

Describe how animals obtain food through food chains, identifying different sources of food

Vocabulary

Habitat, microhabitats, food chains, adaptation, predator, consumer, producer