

Castle View Primary School Science Curriculum

Year 1 – Animals including humans

Prior learning:

- Identify different parts of their body.
- Have some understanding of healthy food and the need for variety in their diets.
- Show care and concern for living things.
- Know the effect of exercise on their body.

National Curriculum Objectives:

- Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.
- Identify and name a variety of common animals that are carnivores, herbivores and omnivores.
- Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).
- Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.

Assessment Questions:

- What are some different parts of the human body?
- What are our five senses?
- Which body parts are used for each sense?
- Name three different types of animals.
- What is the difference between a herbivore and a carnivore?
- How are some animals different? How are some animals the same?

Key vocabulary:

head, ears, neck, knee,
eyes, stomach, foot, mouth,
hand, arms, chest, elbow,
toes, fingers, leg, senses,
taste, smell, touch, sight,
hear, mammals, birds, fish,
reptiles, amphibians,
insects, herbivore,
omnivore, carnivore



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Year 1 – Plants

Prior learning:

- Develop an understanding of growth.
- Show care and concern for living things and the environment.
- Talk about some of the things they have observed, such as plants.
- Make observations of plants and explain why some things occur and talk about changes.

National Curriculum Objectives:

- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.
- Identify and describe the basic structure of a variety of common flowering plants, including trees.

Assessment Questions:

- What grows from a seed?
- What is the name of the colourful part of the flower?
- What part of the flower are the leaves attached to that make the flower tall?
- Which part of the flower grows beneath the soil?
- How are some leaves different?
- What is the difference between evergreen and deciduous trees?

Key vocabulary:

fruits, vegetable, plants,
seed, roots, stem, flower,
bud, leaves, petals,
environment, Daisy, Poppy,
Rose, tree, trunk, bark,
branches, crown, evergreen,
deciduous, large, flat, spiky,
conifer, pine, oak



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Year 1 – Materials

Prior learning:

- Ask questions about the place they live in.
- Talk about why things happen and how they work.
- Discuss the things they have observed, such as, natural and found objects.
- Manipulate materials to achieve a planned effect.

National Curriculum Objectives:

- Distinguish between an object and the material from which it is made?
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

Assessment Questions:

- Can you name some of our everyday materials?
- What are some of the properties of everyday materials?
- What is one of the ways I can group materials?
- What does it mean to be absorbent? What does it mean to be waterproof?
- What does it mean for an object to be opaque? Transparent?
- Can you name a material which is stretchy?

Key vocabulary:

wood, plastic, glass, metal,
water, rock, hard, soft,
stretchy, stiff, shiny, dull,
rough, smooth, bendy, not
bendy, material, sort, group,
classify, absorbent, fair test,
liquid, soak, waterproof, not
waterproof, opaque,
transparent, measure



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Year 1 – Seasonal changes

Prior learning:

- Develop an understanding of change.
- Observe and explain why certain things may occur.
- Look closely at similarities, differences, patterns and change.
- Comment and question about the place they live or the natural world.

National Curriculum Objectives:

- Observe changes across the four seasons.
- Observe and describe weather associated with the seasons and how day length varies.

Assessment Questions:

- What are the four seasons of the year?
- Why do leaves change colour and why do some fall off trees?
- What does winter feel like?
- Why are there sudden showers in spring?
- How can the sun be dangerous?
- What are clouds?

Key vocabulary:

seasons, spring, summer, winter, autumn, leaf, leaves, sunlight, water, snow, temperature, freezing, rain, rainfall, showers, UV rays, sunny, heat, Earth, tilt, axis, cloudy, overcast

