Knowledge Organiser Strand: Science

Year 3 Spring term: Plants & animals including humans

What should I already know?

◊ I know that plants are living things
◊ I know that plants need water, warmth, nutrients from soil and light to grow
◊ I know that plants start life as a seed or a bulb
◊ I can name things that are living, dead and never been alive
◊ I know that a habitat is a place where living things can find all the things they need to survive
◊ I know that living things need food, water, air, space to grow and some shelter
◊ I know that microhabitats are very small habitats where mini bests live
◊ I know that animals and plants depend on each other to survive, and all living things have a part to play in food chains

Key Vocabulary

Water, light, air, nutrients, nutrition, roots, stem, leaves, flower, fertilisation, petals, style, stigma, anther, filament, carpel, stamen, sepal, ovule, pollination, germination, seed dispersal, muscles, skeleton, contract, relax, tendons, joints, vertebrate, invertebrate, skull, ribcage, tibia, fibula, pelvis, humerus, ulna, radius .

Resources to help me with my learning!

Plants - KS2 Science - BBC Bitesize - what is a plant?

Plants - KS1 Science - BBC Bitesize - What does a plant need to grow?

Science KS1 / KS2: What is pollination and how does it work? - BBC Teach - What is pollination?

Human body - KS2 Science - BBC Bitesize - The human body.

What will I know by the end of this unit?

◊ I know the names and location of the parts of a flower and their function: petal, anther, filament, stamen, sepal, stem, ovule, ovary, style, carpel, and stigma.

◊ I know the life cycle of a flowering plant.

◊ I know that animals and the wind can help with seed dispersal.

◊ I know the food groups and what they provide for the body.

◊ I know the function of the skeleton and some of the names of the bones in the body.

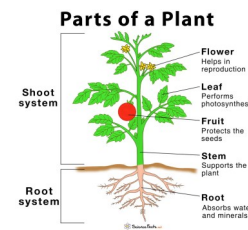◊ I know how muscles move including relaxing and contracting
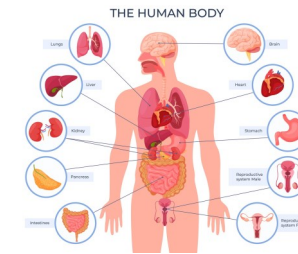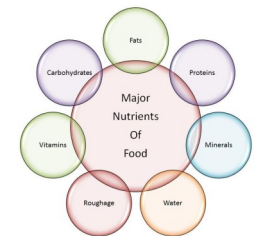

Diagram of a plant.

Diagram of the human body.

Nutrients—what we need as part of a balanced lifestyle.