

AVANTI PARK SCHOOL LEARNING JOURNEY SCIENCE



Year 8

Combustion – the chemistry of burning, Food and nutrition, Fluids and The periodic table of elements

Energy transfers, forces and motion, Unicellular (single cell) organisms and Space – the final frontier!

Plants, growth and reproduction, Light, Metals, reactivity and their uses and Breathing and respiration

Forces and their effects, Atoms and elements, Reproduction in animals and Sound

Matter and particles, Living cells, Energy forms and uses and Mixtures and separation

Year 7

Ecosystems, Electricity and simple circuits. Acids and alkalis and Muscles and bones

How does blood flow? What's in blood? What can your heart rate tell you?

How have eyes evolved? How many worms are underground? Where do wild plants grow best? Why do birds have different beaks? Why is holly prickly?

How does light travel? What is a reflection? Can you see through it? Can you turn a light down?

Can we slow cooling down? How do animals stay warm?

Year 6

How can you send a coded message?

How can we make red? What colour is a shadow?

Science investigation: Earth and space

Animals, including humans; Living things and their habitats; Working scientifically

Properties and changes of materials; Working scientifically

Year 5

Food chains and webs; Life cycles; Plant reproduction; Growing plants; Modern farming

Science investigation: Properties and changes of materials

Science investigation: Forces

Earth and space; Forces; Working scientifically

Water cycle; Habitats; Changing environments

Living things and their habitats; Animals, including humans; Working scientifically

Sound

Science Investigation: States of Matter

Year 4

Teeth types; Tooth decay and hygiene; The digestive system; Working scientifically

Science Investigation: Electricity
Food chains; Fossils; Plant parts and functions; Water transportation in plants; Skeletal systems; Working scientifically

Science investigation: Animals, including humans

Science Investigation: Plants

Year 3

Rocks, Fossils, Soils

Light and dark; Sources and reflectors; Shadows; Sun safety; Working scientifically

Forces and magnets; Working scientifically

Sound; Working scientifically

Habitats; Animals, including humans; Working scientifically

Science investigation: Living things and their habitats

Year 2

Science investigation: Animals, including humans

Plants

Working Scientifically

Science investigation: Plants

Seasonal Changes

Properties of everyday materials; Working scientifically

Year 1

Science investigation: Animals, including humans

Animals, including humans; Working scientifically

