YEAR 5 SCIENCE CURRICULUM

	causal relationships, decimals, analyse, interpret, conclude, capacity, mass, approximate, justify, secondary source, evidence, duration, mean, calculate, method line graph, microscope, anomaly, anomalous result, control, control beaker, sieve, filtering, repeatability, accuracy, correlation, precision, angle, periscope, line graph, scatter graph, independent variable, dependent variable, controlled variables, duration, theory	**Exposure words** causal relationships, decimals, analyse, interpret, conclude, capacity, mass, approximate, justify, secondary source, evidence, duration, mean, calculate, method

5	**Autumn 1**	**Autumn 2**	**Spring 1**
	Forces	**Space**	**Materials**
Key Learning	What is friction? What is air resistance? What is water resistance? Can I explore gravity? How can we use small forces for greater effects?	What is the solar system? What planets make up the solar system? What is the motion of the Earth and planets? What do we know about planet Earth? How do we get night and day? What is the moon?	Can we test materials for magnetic, transparency and hardness? Can we test materials for electrical conductivity? What is a good insulator? What are the uses of every day materials?
Skills	Present findings Plan Take measurements Answer questions and make conclusions	Answer questions and make conclusions Present findings Gather, record and classify data	Gather, record and classify data Plan Take measurements Evaluate Answer questions and make conclusions
Vocabulary	frictional force, motion, air resistance, parachute, surface area, water resistance, streamlined, non-contact force, gravity, weight, lever, gear, pulley, machine	Solar System, orbit, Sun, planets, Pluto, celestial body, gravity, heliocentric model, geocentric model, rotate, axis, North Pole, South Pole, Earth, night, day, moon, gravitational force, satellite	electrical conductor, electrical insulator, thermal insulator, properties, lifespan, dissolve, soluble, insoluble, solution, mixture, reversible changes, reverse, chemical reaction, irreversible change, burning, heating, vinegar, bicarbonate of soda

YEAR 5 SCIENCE CURRICULUM

5	Spring 2		Summer 1	Summer 2
	Animals including humans	**Life cycles**	**Reproduction**	**Reversible and Irreversible changes**
Key Learning	What is the human life cycle? What are the parts of the human life cycle: Babies and children Adolescence and puberty Adults and elderly What are gestation periods of mammals?		What is sexual reproduction? What are the reproductive parts of a plant? What is pollination? What is asexual reproduction? What is cloning?	What is dissolving? Can I separate materials by filtering and sieving? What are solutions? What are reversible changes? What are irreversible changes?
Skills	Plan Gather, record and classify data Answer questions and make conclusions Present findings		Present findings Gather, record and classify data Answer questions and make conclusions Plan Take measurements	Evaluate Gather, record and classify data Take measurements Present findings Evaluate
Vocabulary	foetus, elderly adult, milestone, womb, period, reproduce, hormone, puberty, life expectancy, gestation period, gestation		monotreme, mammary gland, metamorphosis, larva, chrysalis, hatchling, nestling, fledgling, fertilisation, embryo, sperm cells, egg cells, sexual reproduction, anther, stigma, style, filament, ovary, ovule, clone, runner, tuber, asexual reproduction, cutting, parent plant	electrical conductor, electrical insulator, thermal insulator, properties, lifespan, dissolve, soluble, insoluble, solution, mixture, reversible changes, reverse, chemical reaction, irreversible change, burning, heating, vinegar, bicarbonate of soda