

COATHAM CE PRIMARY SCHOOL

LONG-TERM (YEAR) PLAN

SUBJECT: Science				YEAR GROUP: 5		
Half-Term	Aut1	Aut2	Spr1	Spr2	Summ1	Summ2
Statement of Intent	Identify the effects of the forces	To know that properties of materials can be changed and some of these are reversible	Describe the differences in life cycles in different animals	Revisit properties of materials unit (Aut2) and focus on reversible and irreversible (DT link cooking)	To describe the Sun, Earth and moon as celestial bodies	Describe the changes as humans develop to old age.
Key Curriculum Coverage	Forces Gravity, air/water resistance, friction. Levers, pulley's and gears	Properties and changes of materials. Dissolve, separating, reversible changes. Change that produce new materials.	Living things and their habitats. Animal – different life cycles, reproduction in plants and animals.		Earth and Space Movement. Earth, planets and moon. Night and day.	Animals, including humans. How humans change with age.

Key Vocabulary	Accelerate Deaccelerate Force Friction Water resistance Newton (N) Gravity	Materials Properties Solid Liquid Gas Reversible Irreversible Soluble Permeable Solution transparent	Life Cycles Habitats Mammal Amphibian Reptile Reproduction Metamorphosis Sexual and asexual Fertilise	Materials Properties Reversible Irreversible Solution	Celestial Heliocentric Geocentric Solar system Rotate Orbit Earth Moon Sun planets	Birth Child Adolescent Young Adult Adult Old Age Puberty Gestation Foetus Sexual reproduction
Working scientifically: Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate (working scientifically)			Key Vocabulary: Accuracy, Measuring, Constant, Variable, Predict, Investigate, Equipment			