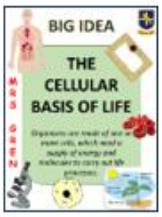
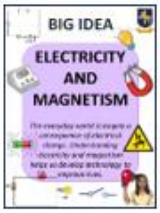
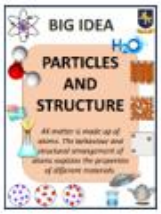
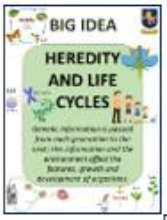
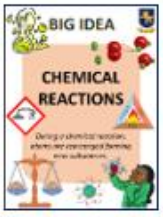
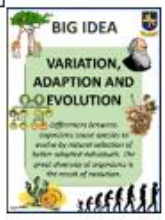
Science Big Ideas learning journey – Years 5 and 6

Years 3 & 4 We learnt about…	*Y3: Seeing in light, darkness, reflection, sun dangers, shadow sizes* *Y4: Sound vibrations and media, effects of pitch, volume, distance*	*Y3: Forces on different surfaces, touching vs distance forces, attract vs repel, magnetic poles* *Y4: electrical appliances, series circuit & parts, effects on incomplete circuit, switches; conductors/insulators*	*Y4: Solids, liquids & gases, evaporation & condensation*	*Y4: Water cycle*	*Y3: Rocks, physical properties, soil structure & formation, fossils in rock*	*Y3: Nutrition, muscles & skeletons* *Y4: Digestive system, teeth*	*Y3: Plant Parts, what they need, how water is transported, seeds & pollination*	*Y4: Local organisms – classify & identify, environmental dangers, food chains- producers, predators, prey*

YEAR 5	PHYSICS	CHEMISTRY	BIOLOGY	YEAR 6
AUTUMN				AUTUMN
Earth and Space The Sun, Earth and planets				**Electricity** Making circuits and changing components
Properties of Materials Testing properties and designing uses for materials				**Animals Including Humans and Lifestyles** The circulatory system and how to be healthy
SPRING				SPRING
Animals including humans + PSHE The human lifecycle and growing up				**Changes of Materials - reversible** Changing states and separating mixtures
Forces Investigating forces, levers, gears and pulleys				**Changes of Materials - irreversible** Irreversible changes
SUMMER				SUMMER
Plants Parts of a plants and how plants reproduce				**Light** Investigating light and shadows
Life Cycles The life cycles of different animals and growing up				**Evolution and Inheritance** How living things have changed over time

Conceptual understanding of the Big Ideas in Science continues through Years 7 & 8

Learn for Life

	Progress Check 1	Progress Check 2	Progress Check 3	***Target***
Grade Achieved				