

HCFS Science Curriculum Overview

	EYFS Reception <i>Delivered via UTW/project sessions</i>	KS1 Year One	KS1 Year Two	LKS2 Year Three	LKS2 Year Four	UKS2 Year Five	UKS2 Year Six
Autumn One	Humans <ul style="list-style-type: none"> - Body parts - Keeping clean - Teeth 	Animals including humans: Amazing Me! <ul style="list-style-type: none"> - Body changes - Body parts and patterns - Senses - Sensory boards/bottles 	Animals including humans: Healthy Animals <ul style="list-style-type: none"> - Hatching eggs – life cycles of animals - Babies – Life cycles of humans - Stranded! Basic survival - Healthy Hearts - Deep inside my lunch box - Pack a healthy picnic 	Rocks: Our Planet Rocks! <ul style="list-style-type: none"> - Rock detectives - Fossils - Soil detectives - Rock quest in locality 	Magnetic Fun & Games <ul style="list-style-type: none"> - Surface materials - Forces - Magnetism - Attractive materials - Poles 	Animals Including Humans: The Human Body <ul style="list-style-type: none"> - Foetus to child - Adolescence & puberty - Adults & old age - Healthy bodies - Blood & the Heart - Transport systems 	Magical Materials <ul style="list-style-type: none"> - Properties of materials - Thermal insulators - Soluble and insoluble materials - Separating mixtures - Reversible and irreversible changes
Autumn Two	Animals <ul style="list-style-type: none"> - Grouping - Minibeasts - Big Cats - Reptiles 	Animals including humans: Our Pets <ul style="list-style-type: none"> - Common animals - offspring - Go Exploring - Woodlouse habitats - Pet needs 	Living things & their Habitats: Habitats <ul style="list-style-type: none"> - Dead or alive - Microhabitats - Go Large! - Food chains - Bug hotels 	Light & Dark <ul style="list-style-type: none"> - Darkness - Light and reflectiveness - Mirrors and reflections - Shadows 	Fit for Success <ul style="list-style-type: none"> - Food and Balanced diets - Skeleton and bones - Muscles - Air - Health & Fitness 	Properties of Materials: Material Consultants <ul style="list-style-type: none"> - Recycling - Heating & freezing - Soundproofing - Electrical conductivity 	Forces to be Reckoned With <ul style="list-style-type: none"> - Gravity - Friction - Air resistance - Water resistance - Levers And pulleys - Gears
Spring One	Materials <ul style="list-style-type: none"> - Water - Metal - Wood - Rocks 	Everyday Materials: Let's Build <ul style="list-style-type: none"> - Material hunters - Matching materials - Magnets and metal - Sorting objects - Three little pigs and materials for homes 	Everyday Materials: Materials Matter <ul style="list-style-type: none"> - Mopping up - Absorbency - Waterproofing - Printing - Resist the wax! - Melting and moulding 	Habitat Helpers <ul style="list-style-type: none"> - Adaptations - Climate change - Waste - Disappearing habitats 	A World of Livings Things <ul style="list-style-type: none"> - Living or dead - Kingdoms of Plants - Invertebrates - Amphibians and Fish - Reptiles - Mammals 	Light & Dark: Theatre Lighting <ul style="list-style-type: none"> - Shadow (angle/shape) - Shadow (colour/texture) - Coloured lighting - Reflecting lighting - Illusions 	Space! <ul style="list-style-type: none"> - Heliocentricity and Geocentricity - Solar System - Night & day - Moon
Spring Two	Plants <ul style="list-style-type: none"> - Survival - Planting 	Plants: What is Growing in our Garden? <ul style="list-style-type: none"> - What's grows outside - Potatoes - Seeds - What lives in the garden - Parts of a Flower - Inside a Tree 	Everyday Materials: Squash, Bend, Twist, Stretch <ul style="list-style-type: none"> - Which ball is the bounciest - Which fabric is the most stretchy - Testing rigidity - Tough and flexible - Which is the strongest? - Paper bridges 	Greatly Green Growers <ul style="list-style-type: none"> - Let's investigate - Fruit, shoot, leaf or root? - Crucial requirements - Data, data, data - Growing for success 	Plants: Flowers, Fruits & Seeds <ul style="list-style-type: none"> - Flowers - Pollination - Fruits - Wind 	Electricity: <ul style="list-style-type: none"> - Circuits - Drawing diagrams - Dimmer switches - Electrical art 	The Classification Code <ul style="list-style-type: none"> - Linnaeus - Classification System
Summer One	Forces <ul style="list-style-type: none"> - Natural and man-made forces - Air - Parachutes 	Seasonal Changes: Weather Art <ul style="list-style-type: none"> - Weather - Shadows - Rainfall - Wind - Temperature 	Living things & their Habitats: Gardens and Allotments <ul style="list-style-type: none"> - Playground allotment - Micro-habitats - Farming - Food chains - Transfer of energy - Eating the spoils 	Animals including Humans: Living things: <ul style="list-style-type: none"> - Food - Digestion - Teeth - Predator or prey 	States of Matter: What's the Matter <ul style="list-style-type: none"> - Solids and Liquids - Gas - Changing State - Evaporation & Condensation - Water Cycle 	Illustrating Life Cycles: <ul style="list-style-type: none"> - Flowering plants reproduction - Asexual reproduction - Insect and amphibian life cycles - Mammal and bird life cycles - Becoming natural scientists 	Survival of the Fittest <ul style="list-style-type: none"> - Inheritance - Mutations - Adaptations and Survival - Evolution - Fossils
Summer Two	Senses <ul style="list-style-type: none"> - Sight - Sound - Touch - Hearing - Smell 	Everyday Materials: Marvellous Materials <ul style="list-style-type: none"> - Mending a torn umbrella - Ice - Frozen - Puddle Observation 	Plants: Ready, Steady, Grow! <ul style="list-style-type: none"> - Spreading seeds - Hydroponics in the classroom - Growing cress - How has the bean grown - Eating cress 	Electricity: <ul style="list-style-type: none"> - Exploring Electricity - Circuits - Conductors and insulators - Designing circuits 	Sound: Sounding Spectacular <ul style="list-style-type: none"> - Vibrations - Ears - Pitch - Volume 	Revision Unit: Sensational Science: <ul style="list-style-type: none"> - Sound - Rocks & Soils - Creature classification - Evolution antics - Mixtures - Forces 	Medical Manoeuvres <ul style="list-style-type: none"> - Medicine & Mosquitoes - Medical materials - Welcome to the world - Human bodies - Medial circuits - Illumination station