

Year 5 – LONGTON PRIMARY SCHOOL LONG TERM PLAN

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
PHILOSOPHY	CARE Charities, environment, respect		GROW Growth mindset, resilience, independence		SHINE Independence, initiative, growth mindset	
Focused Weeks		<i>Parliament week</i>			<i>Arts Week</i>	

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SCIENCE	Forces	Earth and Space	Living Things in their habitats	Properties and changing materials	Animals including humans
Knowledge	Gravity – the force that pulls things to the ground. Friction – friction is a force between 2 surfaces that are sliding or trying to slide across each other. Friction works in the opposite direction to which the object is moving. It slows down the moving object and also produces heat. Air resistance – a type of friction between air and another material.	The sun is a star, hot ball of gas. The sun's rays hit the side of the Earth which faces the sun. This causes day and night. It takes the Earth 24 hours to make one complete spin on its axis. The Earth orbits the Sun. One orbit takes 365 days (a year). Moon 28 days explain the different moon phases. Name the planets in the solar system	MRS NERG All living things go through the following seven life processes: movement respiration sensitivity growth reproduction excavation nutrition Sexual reproduction and asexual reproduction of a plant Life cycles of mammal, amphibian, insect, bird. Compare how different animals reproduce and grow.	Exploration of materials Reversible changes Irreversible changes Filtering Evaporation Sieving heating/burning Dissolving	New-born Adolescents adulthood changes which occur puberty compare gestational growth of animals
Specific vocabulary	Force, gravity air/water resistance, friction, mass, Newtons	rotate solar system orbit axis moon waxing waning	sexual / asexual naturalist seed dispersal stigma stamen pollination life cycles root germination behaviourist	reversible/ irreversible changes, insoluble, soluble solution dissolves conductors insulators evaporation, filtration	adolescence adulthood development foetus gestation growth hormones life cycle puberty reproduction
Cultural Capital Famous People/Events. Past and Present.	Sir Isaac Newton	Isaac Newton. Galileo, Tim Peake	Jane Goodall, a behaviourist Sir David Attenborough, a naturalist	Hypatia (355- 415) a famous Greek.	Robert Winston
Subject links e.g. Maths, English	Measuring time, distance	Calendars, time	Report writing	Maths – data interpretation, representing data in different ways.	
Links to other subjects		History Space Exploration		Geography – Water cycle	PSHE

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HISTORY		Early Islamic civilisation	Ancient civilisation Indus Valley		Local study – Preston	
Knowledge		Baghdad capital of the Islamic empire on the River Tigris. cultural and learning capital of the world. Trade routes – Silk Road 'House of Wisdom' Advanced medical care	Evidence available which tells us about the Indus Valley. Artefacts and Architecture from the Indus Valley why there is disagreement about what the civilisation is like. Why and how it came to an end.		Development into a town due to river position and trade links. industry – textiles (linen/wool), hemp, timber, iron Civil War First cotton mill – success and its collapse	
Specific Vocabulary		Islam caliph dynasty calligraph vegetal geometric	Civilisation, Bronze Age, Harappa, Mohenjo-daro, theories, collapse, Citadel, grid system		Settlement, industry, population, textiles, industrial revolution, import, export	
Cultural Capital Famous People/Events. Past and Present.		Abu Abdullah Muhammad ibn Musa Muhammad ibn Zakariya al-Razi	Charles Masson		John Horrocks Richard Arkwright	
Subject links e.g. Maths, English		Arabic numbers 1-9 and the concept of 'zero			Diary Entry Cotton worker	
Links to other subjects		Science light, first camera			Geography exports and imports.	

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GEOGRAPHY	World knowledge – climates, biomes, vegetation			Skills and field work linked to orienteering The water cycle River Study		Locational knowledge Human and physical – N. America
Knowledge	Continents of the world and their physical features in terms of climate and biomes/vegetation belts. Aquatic, Marine, Desert, Tundra, Grassland, Savanna, Forest			Water cycle Key rivers in the UK River Severn, River Thames, River Ribble, River Trent, River Mersey, River Cylde, River Ouse Identify the key Features of a river Source, waterfall, tributary, meander, oxbow lake, confluence, mouth, estuary - Erosion and the impact this has.		Diversity of human, physical and environmental conditions. and the range of opportunities, challenges and lifestyles people face. The key physical features include mountain ranges, deserts, rivers Mega cities.
Specific Vocab	Continent, America Africa, Biomes Antarctic, Europe Asia, Australia			source, waterfall, tributary, meander, oxbow lake, confluence, mouth, estuary erosion , deposition		Continent, climate
Cultural Capital Famous People and events. Past and Present.	Tim Smit (Eden Centre) Greta Thunberg.			Flooding 2019		Panama Canal
Subject links e.g. Maths, English	English report writing			Maths measuring depth and flow of river		
Links to other subjects	Science - Living Things in their habitats					History colonise

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RE	Christianity God Why is it sometimes difficult to do the right thing?	Islam Why is the Qur'an important to Muslims?	Hinduism What might Hindu's learn from stories about Krishna?	Christianity Jesus What do we mean by a miracle?	Christianity Church How do people decide what to believe?	Judaism Do people need laws to guide them?
Knowledge	Stories that have meanings – Aesop's Genesis account of creation Adam and Eve Lord's Prayer temptation and forgiveness	Muslims belief Qur'an word of God How Muslims celebrate the night of Power Ramadhan – time of reflection and charity	Hindu truths are told through stories. Hindus believe in one God in different forms Story of Krishna is an avatar of god Vishnu	What is a miracle? People believe others don't. Christian's belief Jesus performed man miracles	Cristian's belief in the idea of one God in Trinity. God the Father, God the Son, God the Holy Spirit. Many different forms of the Christian Church have common beliefs.	Torah was given to Jewish people from God Attend synagogue to find out how to live their lives seek guidance
Specific Vocab	Penance, confession reconciliation	Ramadan, Qur'an	Krishna	Miracle, fact , opinion, Holy Land, divine	Orthodox tradition, Protestant tradition, Roman Catholic tradition, Trinity, Apostle's Creed	Torah, synagogue, Judaism.
Cultural Capital Famous People and events. Past and Present.	Adam and Eve	Muhammed	Brahman, Vishnu	Jesus	God, Jesus	Moses, Abraham
Subject links e.g. Maths, English	English, story telling, drama	Story telling				
Links to other subjects	PSHE – Choices, guidance, rights and wrong decisions	PSHE – Guidance, Rights and wrong decisions	PSHE – doing things for others, community, volunteer	PSHE – making good choices	PSHE – commitment	PSHE – Guidance, Rights and wrong decisions

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ART	I need Space Drawing		Portraits Painting and Mixed Media		Interactive Installations Sculpture and 3D	
DT	Mechanisms: Pop-up books	Food: What could be healthier	Structures: Bridges	Textiles: Stuffed toys		Digital world: Monitoring devices
Computing	Arcade Gaming	Photo editing Movie Posters	Computing History	Analysing data Questionnaire results	Physical computing Gaming	Digital Citizenship (eSafety game to teach younger pupils)
PSHE - Jigsaw	Being Me in My world	Celebrating Difference	Dreams and Goals	Healthy Me	Relationships	Changing Me
Music	Composition notation: understanding staff notion (Theme: Ancient Egypt)	Blues: 12-bar blues scale and improvisation	South and West Africa: Chords and tuned instruments	Composition to represent the festival of colour. (Theme: Holi festival)	Looping and remixing: Dance music	Musical Theatre: combining singing, acting, and dancing.
PE	Gymnastics Striking and Fielding– Cricket	Creative Games Gymnastics 2	Dance Invasion Games - Hockey	Invasion Games Netball Net and Wall Games - Tennis	Athletics Invasion Games - Rugby	Striking and Fielding Cricket and Rounders
French	All about me	My School	Food		Verbs in a French week	