Year 5 Science Curriculum Map

Autumn 1		Spring 1		Summer 1	
Lesson 1	**Properties of Materials:** To compare materials according to their properties.	Lesson 1	**Living Things and their Habitats:** To describe different parts of the plant and their role in reproducing.	Lesson 1	**Forces:** To identify forces acting on objects.
Lesson 2	**Properties of Materials:** To investigate thermal conductors and insulators.	Lesson 2	**Living Things and their Habitats:** To describe how some plants reproduce.	Lesson 2	**Forces:** To explain the effect of gravity on unsupported objects.
Lesson 3	**Properties of Materials:** To investigate which electrical conductors make a bulb shine brightest.	Lesson 3	**Living Things and their Habitats:** To describe the life cycles of different mammals.	Lesson 3	**Forces:** To investigate the effects of air resistance.
Lesson 4	**Properties of Materials:** To compare and group together everyday materials on the basis of their solubility by investigating dissolving.	Lesson 4	**Living Things and their Habitats:** To explain what Jane Goodall discovered about chimpanzees.	Lesson 4	**Forces:** To explore the effects of water resistance.
Lesson 5	**Properties of Materials:** To use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating by separating different mixtures.	Lesson 5	**Living Things and their Habitats:** To compare the life cycles of amphibians and insects.	Lesson 5	**Forces:** To investigate the effects of friction.
Lesson 6	**Properties of Materials:** To identify and explain irreversible chemical changes.	Lesson 6	**Living Things and their Habitats:** To compare the life cycles of plants, mammals, amphibians, insects and birds.	Lesson 6	**Forces:** To explore and design mechanisms.
Autumn 2			**Spring 2**		**Summer 2**
Lesson 1	**Animals including Humans:** To explain what gestation periods are for different animals, including humans	Lesson 1	**Earth & Space:** To learn about the Sun, Earth and Moon as approximately spherical bodies by understanding how this knowledge has been attained.	Lesson 1 & Lesson 2	**Scientists and Inventors:** To describe the life and work of David Attenborough.
Lesson 2	**Animals including Humans:** To describe the changes as humans develop from fertilisation to birth.	Lesson 2	**Earth & Space:** To describe the movement of the Earth and other planets		
Lesson 3	**Animals including Humans:** To explain how babies grow and develop into children.	Lesson 3	**Earth & Space:** To describe the movement of the Earth and other planets	Lesson 3 & Lesson 4	**Scientists and Inventors:** To describe Eva Crane and her work with bees.
Lesson 4	**Animals including Humans:** To describe and explain the main changes that occur during puberty.	Lesson 4	**Earth & Space:** To identify scientific evidence that has been used to support or refute ideas or arguments in the context of the evidence for the Earth's rotation.		
Lesson 5	**Animals including Humans:** To identify the changes that take place in late adulthood.	Lesson 5	**Earth & Space:** To use the idea of the Earth's rotation to explain day and night	Lesson 5 & Lesson 6	**Scientists and Inventors:** To describe Margaret Hamilton's life and work with NASA.
		Lesson 6	**Earth & Space:** To describe the movement of the Moon relative to the Earth by explaining how the Moon orbits the Earth.		