



## Year 3 Science Curriculum Map

Autumn 1		Spring 1		Summer 1	
Lesson 1	<b>Rocks:</b> Compare different kinds of rocks based on their appearance.	Lesson 1	<b>Light:</b> To recognise that we need light in order to see things and that dark is the absence of light	Lesson 1	<b>Animals including Humans:</b> To sort foods into food groups and find out about the nutrients that different foods provide.
Lesson 2	<b>Rocks:</b> Group together different kinds of rocks on the basis of their simple physical properties.	Lesson 2	<b>Light:</b> To notice that light is reflected from surfaces	Lesson 2	<b>Animals including Humans:</b> To explore the nutritional values of different foods by gathering information from food labels.
Lesson 3	<b>Rocks:</b> Describe how fossils are formed when things that have lived are trapped within rocks	Lesson 3	<b>Light:</b> To notice that light is reflected from surfaces	Lesson 3	<b>Animals including Humans:</b> To sort animal skeletons into groups, discussing patterns and similarities and differences.
Lesson 4	<b>Rocks:</b> Identifying changes related to simple scientific ideas in the context of theories about fossils and explain Mary Anning's contribution to palaeontology.	Lesson 4	<b>Light:</b> To recognise that light from the sun can be dangerous and that there are ways to protect our eyes (heat stroke / risk of cancer)	Lesson 4	<b>Animals including Humans:</b> To investigate an idea about how the human skeleton supports movement.
Lesson 5	<b>Rocks:</b> Recognise that soils are made from rocks and organic matter by explaining how soil is formed.	Lesson 5	<b>Light:</b> To recognise that shadows are formed when the light from a light source is blocked by a solid object	Lesson 5	<b>Animals including Humans:</b> To explain how bones and muscles work together to create movement.
Lesson 6	<b>Rocks:</b> Investigate the permeability of different soils.	Lesson 6	<b>Light:</b> To find patterns in the way that the size of shadows change	Lesson 6	<b>Animals including Humans:</b> Identify that humans and some other animals have muscles for movement
Autumn 2		Spring 2		Summer 2	
Lesson 1	<b>Forces and Magnets:</b> To notice that some forces need contact between two objects by identifying the different types of forces acting on objects	Lesson 1	<b>Plants:</b> To identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers	Lesson 1 & Lesson 2	<b>Scientists and Inventors:</b> To explain how Marie Curie's work on x-rays helps us identify bones.
Lesson 2	<b>Forces and Magnets:</b> To compare how things move on different surfaces	Lesson 2	<b>Plants:</b> To explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow)		
Lesson 3	<b>Forces and Magnets:</b> To sort magnetic and non-magnetic materials	Lesson 3	<b>Plants:</b> To record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables and report findings on plant growth	Lesson 3 & Lesson 4	<b>Scientists and Inventors:</b> To explain how George Washington Carver helped farmers to grow crops.
Lesson 4	<b>Forces and Magnets:</b> To observe how magnets attract or repel each other and attract some materials and not others	Lesson 4	<b>Plants:</b> To investigate the way in which water is transported within plants		
Lesson 5	<b>Forces and Magnets:</b> To describe magnets as having two poles and to predict whether two magnets will attract or repel each other, depending on which poles are facing	Lesson 5	<b>Plants:</b> To explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal	Lesson 5 & Lesson 6	<b>Scientists and Inventors:</b> To describe what Inge Lehmann discovered about Earth's core.
Lesson 6	<b>Forces and Magnets:</b> To observe how magnets attract or repel each other and attract some materials and not others	Lesson 6	<b>Plants:</b> To explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal		