



















**Science Autumn 1: This Planet Rocks!**

Science Vocabulary:				
rock	sandstone	limestone	chalk	granite
slate	marble	classification	observation	soil
petrologist	brick	tile	concrete	earth
igneous	sedimentary	metamorphic	permeable	impermeable

















I don't know yet    I know what it means    I can use it in a sentence

Lesson	Learning Objective	Science LO	AfL
1	LO: To be able to name six common rocks	Identifying and classifying  Asking questions and planning enquiries 	
2	LO: To observe rocks closely and discover that they have different qualities and features. To be able to name 6 common rocks	Observe and measure  Asking questions and planning enquiries 	
3	LO: To observe rocks closely and discover that they have different qualities and features. To be able to name 6 common rocks	Observe and measure  Asking questions and planning enquiries 	
4	LO: To research about a significant person in science (Mary Anning)	Research  Recording 	
5	To describe in simple terms how fossils are formed when things that have lived are trapped within rock.	Setting up and doing enquiries  Recording 	
6	To recognise that soils are made from rocks and organic matter	Setting up and doing enquiries  Evaluating 	

**Science Autumn 2: Light – Shining the Light**

Science Vocabulary:				
spectrum	infrared	light source	light	beam
transparent	torch	opaque	shine	shadow
absorption	sun	prism	daylight	light
wave	natural light	absorb	lens	cornea
pupil	iris	concave	convex	retina
reflect	refraction	reflection	shade	translucent

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Lesson	Learning Objective	Science LO	AfL
1	LO: To discover through active investigation that without light you cannot see. To learn through investigation that light travels in straight lines.	Fair and Comparative testing  Setting up and doing enquiries 	
2	LO: To predict and then investigate which colours show up best and least in the dark. To investigate the effect of shining a torch on various objects including reflective materials.	Observe and measure  Interpreting + communicating results 	
3	LO: To learn that light bouncing off a mirror gives a clear reflection. Discover that a reflection is a back-to-front image.	Asking questions and planning enquiries  Identifying and classifying 	
4	LO: To investigate how objects made from different materials cast shadows. To understand how a shadow changes depending on the object's orientation.	Recording  Observing over time 	
5	LO: To actively investigate how shadows change as the light source is moved. To take measurements and look for patterns in data to answer scientific questions.	Pattern seeking  Identifying and classifying 	
6	LO: To research a variety of secondary sources to learn how rainbows are formed. To investigate the occurrence of rainbows in a practical way using bubbles, CDs and prisms.	Evaluating  Exploring/ Problem Solving 