





	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Term 1	Light	Light	Light	Light	Light	Light
	Lesson 1: How We See	Lesson 2: Reflecting Light	Lesson 3: Refraction	Lesson 4: Spectacular Spectrum	Lesson 5: Seeing Colours	Lesson 6: Shadow Theatre
	LO: To explain that light		LO: To investigate how	•		
	travels in straight lines	LO: To understand how	refraction changes the	LO: To investigate how	LO: To investigate how	LO: To explain why
	from light sources to our	mirrors reflect light, and	direction in which light	a prism changes a ray of	light enables us to see	shadows have the
	eyes, and from light	how they can help us	travels.	light	colours.	same shape as the
	sources to objects and then to our eyes.	see objects. Y6:Sc:L1, Y6:Sc:L2,	Y6:Sc:L1, Y6:Sc:L2, Y6:Sc:L3	Y6:Sc:L1, Y6:Sc:L2, Y6:Sc:L3	Y6:Sc:L1, Y6:Sc:L2, Y6:Sc:L3, Y5-6:Sc:WS3,	object that casts them. Y6:Sc:L1, Y6:Sc:L4,
	Y6:Sc:L1, Y6:Sc:L2,	Y6:Sc:L3	10.50.25	10.36.23	Y5-6:Sc:WS5	Y5-6:Sc:WS6
	Y6:Sc:L3		Big Idea (Aspect):	Big Idea (Aspect):		
		Big Idea (Aspect):	Processes (Earth, Earth)	Processes (Earth, Earth)	Big Idea (Aspect):	Big Idea (Aspect):
	Big Idea (Aspect):	Processes (Earth, Earth)	Investigation	Significance	Processes (Earth, Earth)	Processes (Earth,
	Processes (Earth, Earth)	Investigation	(Questioning)	(Significant People)	Investigation (Gather &	Pattern seeking)
	Investigation	(Questioning)		Investigation	record data, Report &	Investigation
	(Questioning)			(Questioning)	conclude, Questioning)	(Questioning)
					Creativity (Gather & record data, Report &	
					conclude)	
Term 2	Science: Evolution and	Science: Evolution and	Science: Evolution and	Science: Evolution and	Science: Evolution and	Science: Evolution and
	inheritance	inheritance	inheritance	inheritance	inheritance	inheritance
		_				
	Lesson 1: Inheritance	Lesson 2: Adaptation	Lesson 3: Theory of Evolution	Lesson 4: Evidence for Evolution	Lesson 5: Evidence for Evolution: Humans	Lesson 6: Adaptation, Evolution and Human
	LO: To explain the	LO: To demonstrate				Intervention
	scientific concept of	understanding of the	LO: To identify the key	LO: To identify evidence	LO: To understand how	
	inheritance.	scientific meaning of	ideas of the theory of	for evolution from fossil	human beings have	LO: To explain how
	Y6:Sc:EL2	adaptation.	evolution.	records.	evolved.	adaptations can result





	Big Idea (Aspect): Nature (Identification & classification, parts & functions, Survival) Investigation (Questioning)	Y6:Sc:EL3 Big Idea (Aspect): Nature (parts & functions, Survival) Investigation (Questioning)	Y5-6:Sc:WS6, Y6:Sc:EL3 Big Idea (Aspect): Change (Living things) Nature (parts & functions) Investigation (Questioning)	Y5-6:Sc:WS6, Y6:Sc:EL1 Big Idea (Aspect): Change (Living things) Nature (parts & functions) Processes (Changes) Investigation (Questioning)	Y5-6:Sc:WS6, Y6:Sc:EL1 Big Idea (Aspect): Change (Living things) Nature (parts & functions) Investigation (Questioning)	in both advantages and disadvantages and explain how human intervention affects evolution. Y6:Sc:EL3 Big Idea (Aspect): Change (Living things) Nature (parts & functions, Survival) Investigation (Questioning)
Term 3	Science: Animals including humans	Science: Animals including humans	Science: Animals including humans	Science: Animals including humans	Science: Animals including humans	Science: Animals including humans
	Lesson 1: The Heart	Lesson 2: Blood	Lesson 3: Investigating Heart Rate	Lesson 4: The Benefits of Exercise	Lesson 5: Diet and Exercise	Lesson 6: Drugs and Alcohol
	L.O. To know the three main parts of the circulatory system and describe the job of the heart. Y6:Sc:A1 Big Idea (Aspect): Humankind (Human body)	L.O. To describe the important jobs of the blood vessels and blood. Y6:Sc:A1 Big Idea (Aspect): Humankind (Human body)	L.O. To be able to describe the importance of exercise and how it affects the heart and plan a scientific enquiry. Y6:Sc:A3 Big Idea (Aspect): Nature (Nutrition) Creativity (Gather & record data, Report & conclude)	L.O. To understand that regular exercise is important for a healthy body Y6:Sc:A2 Big Idea (Aspect): Humankind (Healthy lifestyle)	L.O. To be able to explain how diet and exercise affect the body Y5-6:Sc:WS1, Y5-6:Sc:WS2, Y5-6:Sc:WS3, Y5-6:Sc:WS5 Big Idea (Aspect): Investigation (Investigation, Measurement, Gather &	L.O. To be able to recognise the impact of drugs and alcohol on the way bodies function. Y6:Sc:A2, Y5-6:Sc:WS6 Big Idea (Aspect): Humankind (Healthy lifestyle)





Term 4 Science: Electricity Lesson 1: It's Electrifying! L.O. To explain the importance of the major discoveries in electricity. Y5-6:Sc:W56 Big Idea (Aspect): Significant People) Investigation (Questioning) (Questioning) (Questioning) (Questioning) (Questioning) Loured (Questioning) (Questioning) (Questioning) Loured (Questioning) Loured (Questioning) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Creativity (Gather & record data, Report & conclude, Gather & record data, Peort & conclude, Gather & record data, Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Creativity (Report & conclude, Gather & record data, Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Creativity (Report & conclude, Gather & record data, Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Creativity (Report & conclude, Gather & record data, Comparison (Phenomen a) Loured (Aspect): Processes (Forces, Modelling) Investigation (Que						MIMAKY
Lesson 2: Circuit Symbols L.O. To explain the importance of the major discoveries in electricity. Y5-6:Sc:E3 Big Idea (Aspect): Significant People Investigation (Questioning) Lesson 3: Volts Lesson 4: Electricity Investigation (Part 1) L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E1 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen a) L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E1 L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E1 L.O. To plan an investigation and variations in how components function. Y6:Sc:E2, Y5-6:Sc:WS3 Y5-6:Sc:WS3 Y5-6:Sc:WS5 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen a) L.O. To onduct an investigation and record my data and report my findings. Y6:Sc:E2, Y5-6:Sc:WS3 Y5-6:Sc:WS5 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen a) Creativity (Report & conclude, Gather & record data, Questioning) Creativity (Report & conclude, Gather & record data) Comparison(Phenomen a) Comparison(Phenomen a) Comparison(Phenomen a)			(Questioning, Measurement, Investigation, Observations, Report & conclude, Gather &		conclude) Creativity (Gather & record data, Report &	
	Lesson 1: It's Electrifying! L.O. To explain the importance of the major discoveries in electricity. Y5-6:Sc:WS6 Big Idea (Aspect): Significance (Significant Events, Significant People) Investigation	Lesson 2: Circuit Symbols L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E3 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen	Science: Electricity Lesson 3: Volts L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E1 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen	Lesson 4: Electricity Investigation (Part 1) L.O. To plan an investigation and understand variations in how components function. Y6:Sc:E2, Y5-6:Sc:WS1 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Investigation, Questioning) Comparison(Phenomen	Lesson 5: Electricity Investigation (Part 2) L.O. To conduct an investigation and record my data and report my findings. Y6:Sc:E2, Y5-6:Sc:WS3, Y5-6:Sc:WS5 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Report & conclude, Gather & record data, Questioning) Creativity (Report & conclude, Gather &	Lesson 6: Electricity Investigation (Part 3) L.O. To investigate my results further Y6:Sc:E2 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Report & conclude, Gather & record data, Questioning) Creativity (Report & conclude, Gather & record data)
		Lesson 1: It's Electrifying! L.O. To explain the importance of the major discoveries in electricity. Y5-6:Sc:WS6 Big Idea (Aspect): Significance (Significant Events, Significant People) Investigation	Lesson 1: It's Electrifying! L.O. To explain the importance of the major discoveries in electricity. Y5-6:Sc:WS6 Big Idea (Aspect): Significance (Significant t Events, Significant People) Investigation (Questioning) L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E3 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen	Science: Electricity Lesson 1: It's Electrifying! L.O. To explain the importance of the major discoveries in electricity. Y5-6:Sc:WS6 Big Idea (Aspect): Significance (Significant t Events, Significant People) Investigation (Questioning) (Questioning, Measurement, Investigation, Measurement, Investigation (Questioning) (Comparison(Phenomen a)	Science: Electricity Lesson 1: It's Electrifying! L.O. To explain the importance of the major discoveries in electricity. Y5-6:Sc:WS6 Big Idea (Aspect): Significance (Significant t Events, Significant People) Investigation (Questioning) Investigation (Questioning) (Questioning, Measurement, Investigation, Observe and explaint he effects of differing volts in a circuit. Y6:Sc:E1 L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E1 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen a) (Questioning, Measurement, Investigation, Observed and explaint he sefect of differing volts in a circuit. Y6:Sc:E1 L.O. To observe and explain the effects of differing volts in a circuit. Y6:Sc:E1 Big Idea (Aspect): Processes (Forces, Modelling) Investigation (Questioning) Comparison(Phenomen a) Investigation (Investigation (Investigation, Questioning) (Ouestioning) Comparison(Phenomen on Questioning) Comparison(Phenomen o	Conclude Creativity (Gather & record data, Report & conclude)





PRIMARYS						PRIMARYSC
Term 5	Science: Living things and their habitat	Science: Living things and their habitat	Science: Living things and their habitat	Science: Living things and their habitat	Science: Living things and their habitat	Science: Living things and their habitat
	Lesson 1: Classifying Conundrums	Lesson 2: Linnaean System	Lesson 3: Curious Creatures	Lesson 4: Microorganisms	Lesson 5: More About Microorganisms	Lesson 6: Field Guide
	L.O. To give reasons for classifying animals based on their similarities and differences. Y6:Sc: LT1, Y6:Sc: LT2 Big Idea (Aspect): Nature (Identification & classification, Identification & classification)	L.O. To describe how living things are classified into groups. Y6:Sc: LT1, Y6:Sc: LT2 Big Idea (Aspect): Nature (Identification & classification, Identification & classification) Place (Habitats) Significance (Significant People)	L.O. To identify the characteristics of different types of animals and classify a creature based on its characteristics. Y6:Sc: LT1, Y6:Sc: LT2 Big Idea (Aspect): Nature (Identification & classification, Identification & classification) Place (Habitats)	L.O. To describe and investigate helpful and harmful microorganisms. Y6:Sc: LT1, Y6:Sc: LT2 Big Idea (Aspect): Investigation (Questioning, Measurement, Investigation, Observations, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data)	L.O. To identify the characteristics of different types of microorganisms. Y6:Sc: LT1, Y6:Sc: LT2 Big Idea (Aspect): Investigation (Questioning, Measurement, Investigation, Observations, Report & conclude, Gather & record data) Creativity (Report & conclude, Gather & record data)	L.O. To classify organisms found in my local habitat and explain the classification of organisms found in my local habitat. Y6:Sc: LT1, Y6:Sc: LT2, Y5-6:Sc:WS4 Big Idea (Aspect): Nature (Identification & classification, Identification & classification) Place (Habitats) Comparison(Physical things)





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Science: Scientists and inventors

Lesson 1: Stephen Hawking

LO: To understand Stephen Hawking's theories about black holes and report my findings.

Big Ideas (Aspect):

Significance

(Significant People)
Investigation (Report & conclude)
Creativity (Report & conclude)

Science: Scientists and inventors

Lesson 2: Libbie Hyman

LO: To understand Libbie Hyman's work about classification. **Y6:Sc: LT2**

Big Ideas (Aspect):

Significance (Significant People)

Nature (Identification & classification, Identification & classification)

Science: Scientists and inventors

Lesson 3: Marie Maynard Daly

LO: To explain how diet affects the way the body functions.

Y6:Sc:A2

Big Ideas (Aspect):

Significance (Significant People) Humankind (Healthy lifestyle)

Science: Scientists and inventors

Lesson 4: Alexander Fleming

LO: To record and interpret data on the effects of penicillin using a scatter graph.

Y5-6:Sc:WS3

Big Ideas (Aspect):

Significance (Significant People) Investigation (Gather & record data) Creativity (Gather & record data, Report & Science: Scientists and inventors

Lesson 5: Mary Leakey

LO: To understand the life of Mary Leakey and her work about fossils.

Y6:Sc:EL2

Big Ideas (Aspect):

Significance (Significant People) Processes (Changes) Science: Scientists and inventors

Lesson 6: Dr Daniel Hale Williams

LO: To label the parts and functions of the heart and explain Dr Daniel Hale Williams' accomplishments.

Y6:Sc:A1 Big Ideas (Aspect):

Significance (Significant People)
Nature (Nutrition)

Humankind (Human body)

Lesson 7: Steve Jobs

L.O. To understand how Steve Jobs used electronics to design computers and design simple circuits.

Y6:Sc:E3

Big Ideas (Aspect):

Significance (Significant People)
Processes (Modelling)