

St Edward's Science Curriculum Map 2020-2021



Year 5

N	by Ku					OPTON PAKE
	Working Scientifically	Animals Including Humans	Materials	Forces and Magnets	Earth and Space	Living Things and Their Habitats
=	Plan different types of	National Curriculum	National Curriculum	National Curriculum	National Curriculum	National Curriculum
	scientific enquiries to	Learning Objectives:	Learning Objectives:	Learning Objectives:	Learning Objectives:	Learning Objectives:
	answer questions,					
	including recognising	Describe the changes as	Compare and group	Explain that unsupported	Describe the movement	Describe the
	and controlling variables	humans develop into old	together everyday	objects fall towards the	of the Earth, and other	differences in the life
	where necessary.	age.	materials on the basis	Earth because of the force	planets, relative to the	cycles of a mammal, an
	I can plan different types	I can describe the	of their properties,	of gravity acting between	Sun in the solar system.	amphibian, an insect
	of scientific enquiries to	changes as humans	including their	the Earth and the falling	I can describe the	and a bird.
	answer questions,	develop, up to old age.	hardness, solubility,	object.	movement of the Earth,	I can describe the
	including recognising and		transparency,	I can explain that	and other planets,	differences in the life
	controlling variables		conductivity (electrical	unsupported objects fall	relative to the Sun in the	cycles of a mammal, an
	where necessary.		and thermal), and	towards the Earth because	solar system.	amphibian, an insect
	Take measurements,		response to magnets.	of the force of gravity	Describe the movement	and a bird
	using a range of		I can compare and	acting between the Earth	of the Moon relative to	Describe the life
	scientific equipment,		group together	and the falling object.	the Earth.	process of reproduction
	with increasing accuracy		everyday materials on	Identify the effects of air	I can describe the	in some plants and
	and precision, taking		the basis of their	resistance, water	movement of the Moon	animals.
	repeat readings when		properties, including	resistance and friction that	relative to the Earth.	I can describe how some
	appropriate.		their hardness,	act between moving	Describe the Sun, Earth	animals and plants
	I can take measurements,		solubility, transparency,	surfaces.	and Moon as	reproduce.
	using a range of scientific		conductivity (electrical	I can demonstrate the	approximately spherical	
	equipment, with		and thermal), and	effects of air resistance,	bodies.	
	increasing accuracy and		response to magnets.	water resistance and	I can describe the Sun,	
	precision, taking repeat		Recognise that some	friction that act between	Earth and Moon as	
	readings when		materials will dissolve	moving surfaces.	approximately spherical	
	appropriate.		in liquid to form a	Recognise that some	bodies.	
	Record data and results		solution, and describe	mechanisms, including	Use the idea of the	
	of increasing complexity,		how to recover a	levers, pulleys and gears,	Earth's rotation to	
	using scientific diagrams		substance from a	allow a smaller force to	explain day and night	
	and labels, classification		solution.	have a greater effect.	and the apparent	
	keys, tables, scatter					

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S	graphs, and bar and line				
12	graphs.				
	Can record data and				
UPTON	pute ults of increasing				
.011	complexity, using				
	scientific diagrams and				
	labels, classification keys,				
	tables, scatter graphs,				
	bar and line graphs.				
	Use test results to make				
	predictions to set up				
	further comparative and				
	fair tests.				
	I can use test results to				
	make predictions to set				
	up further comparative				
	and fair tests.				
	Report and present				
	findings from enquiries,				
	including conclusions,				
	causal relationships and				
	explanations of and				
	degree of trust in results,				
	in oral and written forms				
	such as displays and				
	other presentations.				
	I can talk about and				
	i can tak about ana				

mechanisms, including Evers, pulleys and gears, allow a smaller force to have a greater effect.

I can explain day and night, and the apparent movement of the sun across the sky, using the idea of the Earth's rotation.



omparative and test results to edictions to set er comparative tests. nd present from enquiries, g conclusions, lationships and tions of and of trust in results. nd written forms displays and esentations. about and present findings from enquiries, including conclusions, causal relationships and explanations of how reliable the information **Identify scientific** evidence that has been

St Edward's Science Curriculum Map 2020 2026 Ine sun materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution. Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including by filtering, sieving and evaporating. I can use knowledge of solids, liquids and gases to decide how mixtures might be separated, including by filtering, sieving and evaporating. Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic. I can give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.

across the sky.

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×	refute ideas or		dissolving, mixing and			(XE)
Q.	arguments.		changes of state are	E		
TON	PARan identify scientific		changes of state reversible changes.	၁		UPTON PARK
	evidence that has been		I can demonstrate that			
	used to support or refute		dissolving, mixing and			
	ideas or arguments		changes of state are			
			reversible changes.			
			Explain that some			
			changes result in the			
			formation of new			
			materials, and that this			
			kind of change is not			
			usually reversible,			
			including changes			
			associated with burning			
			and the action of acid			
			on bicarbonate of soda.			
			I can explain that some			
			changes result in the			
			formation of new			
			materials, and that this			
			kind of change is not			
			usually reversible,			
			including changes			
			associated with burning			
			and the action of acid			
			on bicarb onate of soda			

Subject Leader: Mr Callender-Ferrier