

Science
Unit and Lesson Sequence
Year 5

Introduce Properties and changes of materials

	Lesson	Double-Page Spread	Cross Curricular Reading
	Strong Start- Observing closely, using simple equipment		
1	What properties do materials have? How do we use them?		✓
2	What is a solution and what is a mixture?		
3	How can we separate materials from a mixture?		
4	How can we separate materials from a solution?		
5	What changes are reversible?		
6	What changes are irreversible?		

Introduce Animals, including humans

	Lesson	Double-Page Spread	Cross Curricular Reading
1	What is the human timeline?		✓
2	How do we change into adults?		✓
3	How does human and animal lifespan compare?		✓
4	Summarise, present and explain what you know about Animals, including humans.	✓	

Introduce Forces

	Lesson	Double-Page Spread	Cross Curricular Reading
	Gravity – What is it?		
1	Remember gravity When is friction helpful and when is it not?		✓
2	What's the effect of air resistance?		
3	What's the effect of water resistance?		
4	Who was Galileo Galilei?	✓	✓
5	How do levers help us?		
6	How do pulleys and gears help us?		

Introduce Earth and Space

	Lesson	Double-Page Spread	Cross Curricular Reading
1	What are the planets in our solar system?		✓
2	How does our view of the Moon change in a lunar month?		
3	How does our view of the Moon change in a lunar month?		
4	Why does the rotation of Earth result in night and day?		
5	Why is the Earth's tilt (axis) responsible for the seasons?		
6	Review and summarise - present what you know about Earth and Space	✓	

Living things and their habitats

	Lesson	Double-Page Spread	Cross Curricular Reading
1	Life cycle differences – what's the difference between a mammal and an amphibian?		✓
2	Life cycle differences – what's the difference between an insect and a bird?		
3	What is similar and what is different between the life cycles of a mammal, an insect, an amphibian and a bird?		
4	Summer birds – who was Maria Merion and what did she do?		✓
5	The science of life - how do living things reproduce?		
6	Plants and animals: what's the life process of reproduction?	✓	

Retrieve and Revisit – Living things and their habitats (modular sequence)

	Lesson	Double-Page Spread	Cross Curricular Reading
1	Life cycles: what's the difference between an insect and an amphibian?		✓
2	What is similar and what is different between the life cycles of an insect and an amphibian?		✓
3	Remember plants: what's the process of reproduction?		✓

Second Revisit – Living things and their habitats

	Lesson	Double-Page Spread	Cross Curricular Reading
1	SELECT and ORGANISE information		
2	DESIGN and CREATE animal information using explanative response frameworks		
3	COMPARE differences between animals using organisational (relational) response frameworks		