



Contents

0. You're a scientist Page 6		<ul style="list-style-type: none"> • What jobs do scientists do? • How can science change the world? 			
1. Plants and animals Page 10  Watch.	What are plants?  Watch.	How do plants survive in different places?	What are the parts of a flower?	How do plants reproduce?	STEAM Challenge Magic flowers
2. My body Page 24  Watch.	What do I need to be healthy?  Watch.	How do I get what I need?	How do I breathe?	What does my digestive system do?  Watch.	What does my circulatory system do?
3. The Solar System and our world Page 38  Watch.	What are the planets in the Solar System? 	What's the Sun?	What's the Moon?  Watch.	Why is there day and night?	STEAM Challenge Solar System puzzle
Page 54 Project. Learning situation 1					
4. Water Page 56  Watch.	Why is water important?  Watch.	How do you use water?	Where can we find water?	Can you name the oceans? 	How does the water cycle work?  Watch.
5. A better world Page 70  Watch.	Why is nature important for humans?	How can we enjoy nature responsibly?	How can we protect animals? 	How can we use clean energy?  Watch.	STEAM Challenge Make a nature mandala
6. Time and history Page 84  Watch.	What are the days of the week?	What are the months of the year?	Can you tell time?  Watch.	Can you use a digital and analog watch?	What is a life cycle?
Page 94 Project. Learning situation 2					
7. Light and sound Page 96  Watch.	What is light?	How do we use light?	How do we see light?	How does light reflect?  Watch.	STEAM Challenge My rainbow in a jar
8. Machines Page 110  Watch.	What are simple machines?  Watch.	How do people use simple machines?	STEAM Challenge Make a simple machine	How are complex machines different to simple machines?  Watch.	How do people use complex machines?
9. Design and technology Page 124  Watch.	Why do we use technology?	How has technology changed?  Watch.	How can we use technology to communicate?	How can we be safe on the Internet?	How can we find information on the Internet?
Page 136 Project. Learning situation 3					
Page 138	Language activities				

• Language learning lab in every unit

 Watch. unit videos, content videos and experiment videos  interactive map

What are animals? Watch.	What are vertebrates?	What types of vertebrates are there?	What are invertebrates?	What types of invertebrates are there?	Science lab Do shells and exoskeletons protect invertebrates? Watch.	Review & Reflect What do you know about plants and animals?
How does my excretory system work?	STEAM Challenge My model organ	How can I move?	What does my nervous system do?	Science lab Can you write without sight? Watch.	How do people reproduce?	Review & Reflect What do you know about your body?
What are the seasons?	Why do we have seasons?	What types of maps are there?	What are the cardinal points? Watch.	How can you travel to different places?	Social lab Plan a trip	Review & Reflect What do you know about the Solar System and our world?
What is precipitation?	Social lab Precipitation chart	How can we use water responsibly? Watch.	STEAM Challenge Design a poster		How does the water cycle work?	Review & Reflect What do you know about water?
What can we do to protect the oceans?	What causes water pollution? Watch.	What is land pollution?	Social lab How can we recycle?	What causes air pollution?	What means of transport are good for the environment?	Review & Reflect What do you know about looking after our world?
Social lab Learning about the past from older people	STEAM Challenge Make a time capsule	How can we learn about the past? 	How did men and women live in the past?		Review & Reflect What do you know about time and history?	
What is sound? Watch.	How do we use sound?	How do we hear sound?		Science lab Can you hear that sound? Watch.	Review & Reflect What do you know about light and sound?	
Do all complex machines need electricity?	Science lab Can you move a pencil without touching it? Watch.	How can people build strong structures?		Why do we need strong structures?		Review & Reflect What do you know about machines?
How can I save and print my work?	What is programming? Watch.	How can I write an algorithm?	STEAM Challenge Computational thinking	How can you design something?	Design lab Design a project	Review & Reflect What do you know about computer and programming?

Key competences

Linguistic communication
 Science, Technology, Engineering and Mathematical (STEM)
 Digital
 Personal, social and learning to learn
 Entrepreneurship
 Citizenship
 Cultural awareness and expression