

by
Jocelyne Churchill



CAMBRIDGE
UNIVERSITY PRESS

SCIENCE SKILLS 6



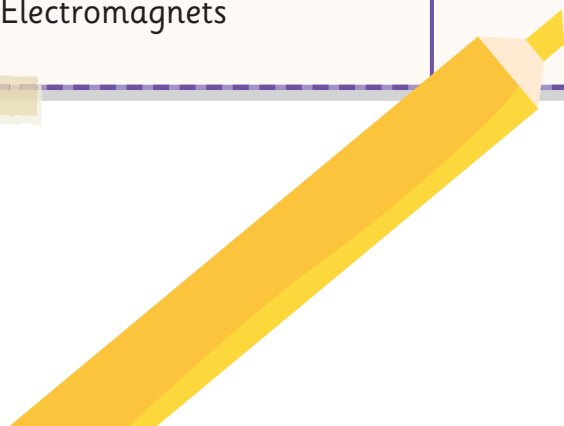
Contents

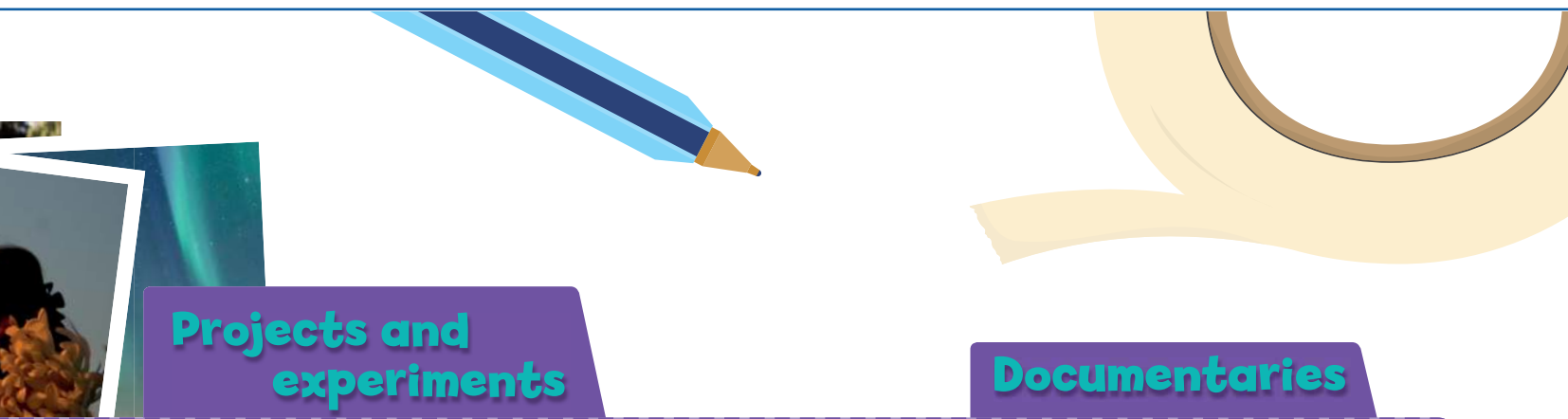
Welcome Page 4		
1 Interaction Page 6	<ul style="list-style-type: none"> • Sense organs • Nervous system 	<ul style="list-style-type: none"> • Musculoskeletal system • Reflexes
2 Nutrition Page 18	<ul style="list-style-type: none"> • Stages of nutrition • Food groups and nutrients • Digestive system 	<ul style="list-style-type: none"> • Circulatory system • Respiratory and excretory systems • First-aid techniques
3 We are nature Page 32	<ul style="list-style-type: none"> • Five kingdoms • Photosynthesis • Water, a limited resource 	<ul style="list-style-type: none"> • Caring for living things • Sustainable development
4 Mixtures Page 44	<ul style="list-style-type: none"> • Mixtures and states of matter • Homogeneous and heterogeneous mixtures 	<ul style="list-style-type: none"> • Magnetic separation • Filtration • Evaporation and distillation
5 Chemical reactions Page 56	<ul style="list-style-type: none"> • Characteristics of chemical reactions • Combustion 	<ul style="list-style-type: none"> • Oxidation • Fermentation
6 Magnetism Page 66	<ul style="list-style-type: none"> • Magnets and magnetism • Magnetic fields 	<ul style="list-style-type: none"> • Attraction and repulsion • The Earth's magnetic field • Electromagnets

Questions and Study aids



Page 78





Projects and experiments

Documentaries

<ul style="list-style-type: none"> • Create a comic book about the nervous system • Investigate how the brain can affect our reflexes 	<ul style="list-style-type: none"> • Sensing our world
<ul style="list-style-type: none"> • Record a podcast about advances in science • Find out how bacteria are spread 	<ul style="list-style-type: none"> • Working together: look what your body can do
<ul style="list-style-type: none"> • Plan a sustainable city • Discover how plants react to different liquids 	<ul style="list-style-type: none"> • Sustainability is the future
<ul style="list-style-type: none"> • Experiment with mixtures and create a poster • Investigate how chromatography works 	<ul style="list-style-type: none"> • Messy and not so messy mixtures
<ul style="list-style-type: none"> • Write a report about chemical reactions and create a class magazine • Discover how important oxygen is for combustion 	<ul style="list-style-type: none"> • Different reactions
<ul style="list-style-type: none"> • Design and demonstrate a magnetism experiment for a science fair • Investigate the relationship between electricity and magnetism 	<ul style="list-style-type: none"> • It's all about the field

Extra activities

Page 90