

by
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SCIENCE SKILLS 5



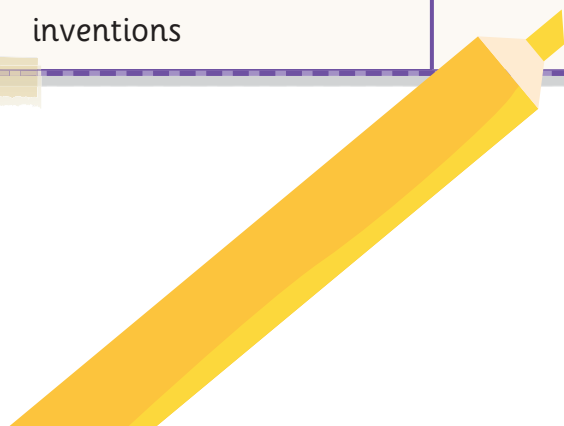
Contents

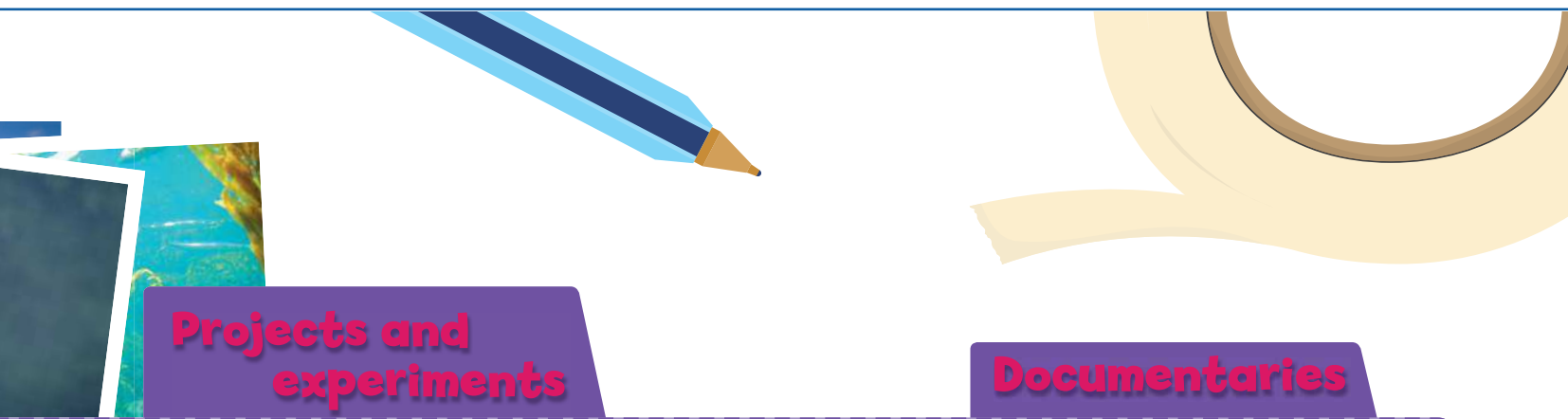
Welcome Page 4		
1 Living things Page 6	<ul style="list-style-type: none"> • Animal and plant cells • Cells, tissues, organs, organ systems • The five kingdoms 	<ul style="list-style-type: none"> • Dichotomous keys • Weird and wonderful organisms
2 Ecosystems Page 18	<ul style="list-style-type: none"> • Elements of an ecosystem • Grassland ecosystems • Forest ecosystems 	<ul style="list-style-type: none"> • Desert ecosystems • Aquatic ecosystems • Urban ecosystems
3 The biosphere Page 30	<ul style="list-style-type: none"> • Food chains • Food webs • Threats to biodiversity 	<ul style="list-style-type: none"> • Protecting species
4 Energy Page 42	<ul style="list-style-type: none"> • Different forms of energy • Energy transformations • Renewable energy sources 	<ul style="list-style-type: none"> • Non-renewable energy sources
5 Sound, light and heat Page 54	<ul style="list-style-type: none"> • Properties of sound • Light sources and properties of light 	<ul style="list-style-type: none"> • Reflection • Refraction • Properties of heat
6 Electricity Page 66	<ul style="list-style-type: none"> • Electrical charges • Static electricity • Current electricity 	<ul style="list-style-type: none"> • Edison and the lightbulb • Famous inventors and inventions

Questions and Study aids



Page 78





Projects and experiments

Documentaries

<ul style="list-style-type: none"> • Make a <i>Book of life</i> • Discover why plants have a cell wall 	<ul style="list-style-type: none"> • Living or non-living?
<ul style="list-style-type: none"> • Do a presentation on an ecosystem • Investigate how animals survive the cold of the Arctic tundra 	<ul style="list-style-type: none"> • Amazing adaptations
<ul style="list-style-type: none"> • Create and promote your own nature reserve • Find out the best way to clean up an oil spill 	<ul style="list-style-type: none"> • Cooperation is key
<ul style="list-style-type: none"> • Create a plan to save energy at home • Discover how important light is for plants 	<ul style="list-style-type: none"> • Shine on sunny sun
<ul style="list-style-type: none"> • Design a campaign warning about the risks of too much energy • Investigate how sound travels and why telephones used to have cords 	<ul style="list-style-type: none"> • Hear energy, see energy, feel energy
<ul style="list-style-type: none"> • Design and build a light-up board game • Find out what happens when you change components in an electrical circuit 	<ul style="list-style-type: none"> • Electricity everywhere

Extra activities



Page 90