

Contents

1	Our bodies: change and movement	6
2	The five senses	18
3	Classifying animals	30
4	Plants	42
	Review & Projects	54
5	Water on the Earth	60
6	Landscapes	72
7	The Earth in the solar system	84
8	Can you see the light?	96
9	Matter and material	108
	Review & Projects	120
10	Machines	126
11	Living together	138
12	Population	150
13	At work	160
14	Time and History	172
	Review & Projects	182
	Index	188

	CONTENTS	FOCUS ON BASIC COMPETENCES
1 Our bodies: change and movement	1. How do we change as we get older? 8 2. What does the skeleton do? 10 3. What do muscles do? 12 4. How can we look after our locomotor system? 14	Hands on! Make a model of a human skeleton 11 REVISE AND ORGANISE 16 ACTIVITIES 17
2 The five senses	1. How do we relate to what is around us? 20 2. How do we see and hear? 22 3. How do we smell, taste and feel? 24 4. How can we look after our sense organs? 26	Hands on! Set up a senses workshop 24 REVISE AND ORGANISE 28 ACTIVITIES 29
3 Classifying animals	1. What is a vertebrate? 32 2. How can we classify vertebrates? 34 3. What is an invertebrate? 36 4. How can we classify invertebrates? 38	Let's experiment! How does a silkworm turn into a moth? 38 REVISE AND ORGANISE 40 ACTIVITIES 41
4 Plants	1. What are the characteristics of plants? 44 2. What do roots, stems and leaves look like? 46 3. How do seeds and fruit form a flower? 47 4. How can we classify plants? 48 5. What are plants used for? 50	Let's experiment! How can you make carnations change colour? 45 REVISE AND ORGANISE 52 ACTIVITIES 53
First term Review & Projects		1. Planning a calcium rich breakfast 56 2. Making a "touch box" 57 3. Learning to classify animals 58 4. Observing how seeds grow 59
5 Water on the Earth	1. What is water like? 62 2. What is the water cycle? 64 3. Where do we find fresh water? 66 4. Rivers and their different parts 68 5. Where do we find salt water? 69	Let's experiment! How does the state of water change? 62 REVISE AND ORGANISE 70 ACTIVITIES 71
6 Landscapes	1. What types of landscapes are there? 74 2. What are inland landscapes like? 76 3. What are coastal landscapes like? 78 4. What are the cardinal points? 80	Hands on! Make a compass 81 REVISE AND ORGANISE 82 ACTIVITIES 83
7 The Earth in the solar system	1. What makes up the Earth? 86 2. How can we study the Earth? 88 3. Where is the Earth? 90 4. How does the Earth move? 92 5. How does the Moon move? 93	Hands on! Make a model of our solar system 91 REVISE AND ORGANISE 94 ACTIVITIES 95
8 Can you see the light?	1. What is light? 98 2. Can light travel through objects? 100 3. Does light ever change direction? 102 4. Is all light white? 104	Let's experiment! Make different colours of light 105 REVISE AND ORGANISE 106 ACTIVITIES 107

	CONTENTS	FOCUS ON BASIC COMPETENCES
9 Matter and material	1. What is matter? 110	Let's experiment!
	2. What makes matter change? 112	How can you separate mixtures? 114
	3. What happens when you mix different types of matter? 114	REVISE AND ORGANISE 118
	4. Where does matter come from? 116	ACTIVITIES 119
	Second term Review & Projects	
		6. How do natural phenomena change landscape? 123
		7. What materials can we see through? 124
		8. Measuring masses and volumes 125
10 Machines	1. What is a machine? 128	Hands on!
	2. Which machines did people have at different times in history? 130	Follow instructions to use a tool 131
	3. Who uses machines? 132	REVISE AND ORGANISE 136
	4. Which machines are very dangerous? 134	ACTIVITIES 137
11 Living together	1. What groups of people do we belong to? 140	Hands on!
	2. What helps us to live together happily in a community? 142	Take part in elections 147
	3. What are plans and maps for? 144	REVISE AND ORGANISE 148
	4. How is a town council elected? 146	ACTIVITIES 149
12 Population	1. What is the population? 152	Hands on!
	2. What makes a population increase or decrease? 154	Compare population graphs 156
	3. How is the population counted? 155	REVISE AND ORGANISE 158
	4. Where do people live? 156	ACTIVITIES 159
13 At work	1. Why do people work? 162	Hands on!
	2. Which jobs get resources from nature? 164	Make a bar graph 168
	3. Which jobs make products from resources from nature? 166	REVISE AND ORGANISE 170
	4. Which jobs provide services for others? 168	ACTIVITIES 171
14 Time and History	1. How do we measure time? 174	Hands on!
	2. What is History? 176	Make an hour glass 174
	3. How do we know what happened in the past? 178	REVISE AND ORGANISE 180
		ACTIVITIES 181
Third term Review & Projects		9. Making a pulley 184
		10. Drawing a room to scale 185
		11. Making a class census 186
		12. Learning to analyse an advert 187