Contents

Intro	duction	·			IV				
Worl	king Scientifically								
1.1 1.2 1.3	Asking scientific questions Planning investigations Recording data	2 4 6	1.4 1.5	Analysing data Evaluating data	8 10				
	D gy B1 y B1 Unit Opener				12				
Chap	oter 1: Cells								
1.1 1.2 1.3	Observing cells Plant and animal cells Specialised cells	14 16 18	1.4 1.5 1.6	Movement of substances Unicellular organisms B1 Chapter 1 Summary	20 22 24				
Chapter 2: Structure and function of body systems									
2.1 2.2 2.3 2.4	Levels of organisation Gas exchange Breathing Skeleton	26 28 30 32	2.5 2.6 2.7	Movement: joints Movement: muscles B1 Chapter 2 Summary	34 36 38				
Chapter 3: Reproduction									
3.1 3.2 3.3 3.4 3.5	Adolescence Reproductive systems Fertilisation and implantation Development of a fetus The menstrual cycle	40 42 44 46 48	3.6 3.7 3.8 3.9	Flowers and pollination Fertilisation and germination Seed dispersal B1 Chapter 3 Summary	50 52 54 56				
	mistry C1								
	stry C1 Unit Opener				. 58				
Chap	oter 1: Particles and their behavior	ur -							
1.1 1.2 1.3 1.4	The particle model States of matter Melting and freezing Boiling	60 62 64 66	1.5 1.6 1.7 1.8	More changes of state Diffusion Gas pressure C1 Chapter 1 Summary	68 70 72 74				

Chapter 2: Elements, atoms, and compounds										
	2.1 2.2 2.3	Elements Atoms Compounds	76 78 80	2.4 2.5	Chemical formulae C1 Chapter 2 Summary	82 84				
	Chapter 3: Reactions									
	3.1 3.2 3.3 3.4	Chemical reactions Word equations Burning fuels Thermal decomposition	86 88 90 92	3.5 3.6 3.7	Conservation of mass Exothermic and endothermic C1 Chapter 3 Summary	94 96 98				
	Chapter 4: Acids and alkalis									
	4.1 4.2 4.3	Acids and alkalis Indicators and pH Neutralisation	100 102 104	4.4 4.5	Making salts C1 Chapter 4 Summary	106 108				
		s ics P1 s P1 Unit Opener				110				
	Chapter 1: Forces									
	1.1 1.2 1.3	Introduction to forces Squashing and stretching Drag forces and friction	112 114 116	1.4 1.5 1.6	Forces at a distance Balanced and unbalanced P1 Chapter 1 Summary	118 120 122				
	Chapter 2: Sound									
	2.1 2.2 2.3	Waves Vibrations and energy transfer Loudness and pitch	124 126 128		Detecting sound Echoes and ultrasound P1 Chapter 2 Summary	130 132 134				
Chapter 3: Light										
	3.1 3.2 3.3	Light Reflection Refraction	136 138 140	3.4 3.5 3.6	The camera and the eye Colour P1 Chapter 3 Summary	142 144 146				
	Chapter 4: Space									
	4.1 4.2 4.3	The night sky The Solar System The Earth	148 150 152	4.4 4.5	The Moon P1 Chapter 4 Summary	154 156				
	Gloss Index Perio	ary				158 168 171				