

# Contents

<b>Introduction</b> .....	iii
---------------------------	-----

## Planet Earth and Beyond

### Astronomy

Unit 1 – The Universe .....	3
Unit 2 – The Planets .....	4

### Earth Cycles

Unit 3 – Earth Movements (1) .....	9
Unit 4 – Earth Movements (2) .....	12
Unit 5 – Climate Change .....	16
Unit 6 – Climate .....	20
Unit 7 – Meteorology .....	23

## Living World

### Evolution

Unit 1 – Birds Adapted for Flight .....	27
Unit 2 – Plant Kingdom .....	31
Unit 3 – New Zealand Forests .....	35

### Life Processes

Unit 4 – Seeds .....	39
Unit 5 – Protists .....	43
Unit 6 – Viruses .....	47
Unit 7 – Digestive System .....	51

## Material World

### Particles

Unit 1 – Atoms and Elements .....	55
Unit 2 – Compounds and Mixtures .....	59

### Properties of Materials

Unit 3 – Acids and Bases .....	62
Unit 4 – Soap Chemistry .....	67
Unit 5 – Pollution (1) .....	70
Unit 6 – Pollution (2) .....	73

# Physical World

## Forces

Unit 1 – Motion ..... 77  
Unit 2 – Gravity ..... 81  
Unit 3 – Floating and Sinking ..... 83

## Energy

Unit 4 – Energy ..... 86  
Unit 5 – Heat ..... 90  
Unit 6 – Electromagnetism ..... 93  
Unit 7 – Electronics ..... 97

**Answers** .....101