

Simple Solutions Level 7 Science

Topic Guide

The science topics listed below are introduced and systematically re-visited throughout Level 7 and in subsequent *Simple Solutions* Science books.

Mini Teachings and diagrams imbedded in the lessons give students the information they need to complete the items independently. Also, the Help Pages – found in the back of each book – provide a research reference guide. Students may consult the Help Pages for information to complete items in the Level 7 lessons.

Topic	Lesson(s)
Nutrient Cycles: Water, Carbon, Nitrogen <i>Mini Teachings</i>	1 – 3
The Earth: Hydrosphere, Lithosphere, Atmosphere, Biosphere <i>Mini Teachings</i>	4 – 9
Ecology: Organisms <i>Mini Teachings</i>	11 – 12
Organisms and Energy <i>Mini Teachings</i>	14 – 16
Scientific Method <i>Mini Teaching</i>	17
Animal Adaptations <i>Mini Teaching</i>	18
Biomes <i>Mini Teachings</i>	19 – 33
Weather <i>Mini Teachings</i>	34 – 39
Compound Microscope <i>Mini Teaching</i>	40
Organisms: Cells <i>Mini Teachings</i>	41 – 48
Cells & Energy <i>Mini Teaching</i>	49
Characteristics of Living Things <i>Mini Teachings</i>	51 – 53
Reproduction, Diversity, and Genetics <i>Mini Teachings</i>	55 – 56
Classification: Plants and Animals <i>Mini Teachings</i>	57 – 63
Body Systems <i>Mini Teachings</i>	64 – 65
Invertebrates and Vertebrates <i>Mini Teachings</i>	66 – 86
Matter: Classification and Properties <i>Mini Teachings</i>	88 – 95
Forces <i>Mini Teaching</i>	98
Types of Energy <i>Mini Teachings</i>	99 – 108
Renewable and Non-renewable Resources <i>Mini Teachings</i>	109 – 110
Energy Transformations <i>Mini Teachings</i>	114 – 115
Thermal Energy <i>Mini Teaching</i>	117
Scientific Theories/Laws	118