

Simple Solutions Level 4

Science Topic Guide

The science topics listed below are introduced and systematically re-visited throughout Level 4 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 which includes vocabulary, animal, and ecosystem fact cards as well as other important charts or diagrams.

Topic	Lesson
The Scientific Method <i>Mini Teachings</i>	1 – 2
Classifying Plants/Vascular/Nonvascular <i>Mini Teachings</i>	7 – 8
Photosynthesis <i>Mini Teaching</i>	13
Classifying Animals/Vertebrates	14 – 15
Classifying Animals/Invertebrates.....	17
Food Chain.....	20
Metamorphosis.....	23
Weather <i>Mini Teachings</i>	25, 27 – 28
Fossils	32
Volcanoes, Earthquakes, Glaciers, Landslides <i>Mini Teachings</i>	33 – 36
Soil Layers/Types of Soil <i>Mini Teaching</i>	39, 41
Erosion/Weathering <i>Mini Teaching</i>	42 – 43
Water Cycle <i>Mini Teaching</i>	48 – 51
Ecosystems <i>Mini Teachings</i>	54 – 56, 58 – 60
Properties of Matter <i>Mini Teachings</i>	65 – 66
Physical/Chemical Change <i>Mini Teaching</i>	67, 69
Layers of the Earth <i>Mini Teaching</i>	77
Force/Gravity	79 – 80
Light Energy/Sound Energy <i>Mini Teachings</i>	85 – 86, 88, 91
Magnets.....	92
Static Electricity/Current Electricity.....	93
Electricity/ Conductor/Insulator <i>Mini Teaching</i>	94
Simple Circuit <i>Mini Teaching</i>	95
Work/Simple Machines <i>Mini Teachings</i>	96 – 102
Solar System <i>Mini Teachings</i>	105 – 107

Science Inquiry is embedded in multiple lessons: reading and interpreting simple graphs, tables and graphic organizers, recording information in graphic organizers, classifying information, and communicating data through images and graphic organizers.