

Simple Solutions® Level 8 Science Topic Guide

The science topics listed below are introduced and systematically re-visited throughout the *Simple Solutions* Science Level 8 book. *Mini Teachings* and diagrams imbedded in the lessons give students the information they need to complete the items. Also, the Help Pages – found in the back of this book – provide a research reference guide. Students may consult the Help Pages of any level of *Simple Solutions* to find more information. All Help Pages are available at www.SimpleSolutions.org.

Topic	Lesson(s)
The Scientific Method <i>Mini Teachings</i>	1 – 4, 11
The Solar System <i>Mini Teachings</i>	6 – 7, 17
Earth’s Position in the Solar System <i>Mini Teachings</i>	8 – 10
The Moon <i>Mini Teachings</i>	12 – 16
Galaxies and Stars <i>Mini Teachings</i>	19 – 23
Earth’s Layers <i>Mini Teaching</i>	25
Plate Tectonics and Geologic Events <i>Mini Teachings</i>	26 – 30
Processes that Shape the Surface of the Earth <i>Mini Teachings</i>	31 – 35
Water Cycle <i>Mini Teaching</i>	37
Early Contributions of Female Scientists <i>Mini Teachings</i>	39, 89, 126
The Rock Cycle <i>Mini Teachings</i>	41 – 44
Reproduction and Extinction <i>Mini Teachings</i>	46 – 49
Linnaean Classification and Dichotomous Key <i>Mini Teachings</i>	50 – 52
The Metric System <i>Mini Teachings</i>	55 – 58
Interpreting Climatographs <i>Mini Teachings</i>	59 – 63
Properties of Matter <i>Mini Teachings</i>	65 – 73
Mixtures, Solutions, Suspensions <i>Mini Teaching</i>	74
Atoms <i>Mini Teachings</i>	77 – 79
The Periodic Table of Elements <i>Mini Teachings</i>	81 – 85
Motion <i>Mini Teachings</i>	90 – 91
Newton’s Laws <i>Mini Teachings</i>	94 – 98
Force <i>Mini Teachings</i>	99 – 101
Energy <i>Mini Teachings</i>	102 – 108
Distance – Time Graphs <i>Mini Teachings</i>	112 – 113

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.