

Simple Solutions Level 3 Science

Topic Guide

The science topics listed below are introduced and systematically re-visited throughout Level 3 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, plant, animal, and ecosystem fact cards, and short biographies of prominent scientists. Students are required to consult the Help Pages for information to complete graphic organizers in the Level 3 lessons.

Topic	Lesson(s)
Basic Needs of Plants <i>Mini Teaching</i>	5
Basic Needs of Animals <i>Mini Teaching</i>	7
Scientific Method <i>Mini Teaching</i>	9 – 13
Vertebrates /Classifying Animals <i>Mini Teaching</i>	14 – 18
Invertebrates <i>Mini Teaching</i>	23
Life Cycles/Metamorphosis <i>Mini Teaching</i>	28
Complete Metamorphosis <i>Mini Teaching</i>	29
Ecosystems <i>Mini Teaching</i>	32, 34, 35, 37 – 38
Adaptations of Animals (<i>can be found throughout the book beginning in Lesson 1</i>)	
Phases of the Moon.....	44
Food Chain <i>Mini Teaching</i>	49
Types of Soil / Soil Layers <i>Mini Teaching</i>	58, 61
Properties of Rocks	65
States of Water <i>Mini Teaching</i>	73
Water Changes States <i>Mini Teaching</i>	77 – 78
States of Matter <i>Mini Teaching</i>	86
Force (Push/Pull/Friction) <i>Mini Teaching</i>	89
Gravity	91
Sound Energy (Pitch/Vibration/How Sound Travels) <i>Mini Teaching</i>	93
Simple Machines/Work <i>Mini Teaching</i>	98 – 104
Static Electricity/Current Electricity <i>Mini Teaching</i>	110
Conductor/Nonconductor	112
Magnets	115

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