Module 1:
Exploring Creation With General Science

science- A branch of study dedicated to the accumulation and classification of observable facts in order to formulate general laws about the natural world.
papyrus - A primitive for of paper, make form along-leafed plant of the same name.
spontaneous generation - The idea that living organisms can be spontaneously formed from non-living substances.

Schedule
☐ Go over book with instructor and read Student Notes (beginning of book) and read:
1-8. Introduction, The First Inklings of Science, True Science Begins to Emerge
Scientists: (Thales, Anaximander, Anaximenes, Leucippus, Democritus)
☐ 5. Do Experiment 1.1: Density in Nature
☐ 7. Do Experiment 1.2: Atomic Motion
☐ 8-12. Read Three Other Notable Greek Scientists
Scientists: (Aristotle, Archimedes, Ptolemy)
☐ 12-16 Read The Progress of Science Stalls For a While and Do 12 Experiment 1.3: A Chemical Reaction
☐ 16-19. Read Science Begins To Pick Up Some Speed Again, Scientists: (Grosseteste, Freiberg, Bacon, Bradwardine, Nicholas of Cusa)
☐ 19-23 Read The Renaissance: The "Golden Age" of Science, Scientists: (Copernicus, Vesalius, Kepler, Galileo, Pascal)
☐ 21 Do Experiment 1.4: Mapping the Paths of the Planets
☐ 23-25 Read The Era of Newton, Scientists: (Newton, Boyle, Leeuwenhoek)
☐ 25-26 Read The "Enlightenment" and the Industrial Revolution, Scientists: (Linnaeus, Lavoisier, Dalton)
☐ 27-29 Read The Rest of the Nineteenth Century, Scientists: (Darwin, Pasteur, Lyell, Mendel, Faraday, Maxwell, Joule)
☐ 29-31 Read: Modern Science (1900 A.D. - Present), Scientists: (Planck, Einstein, Bohr) and read: 31 Summing it Up
☐ Study Guide
☐ Study Guide
☐ Test
Notes:

Always do the On Your Own questions and check your work afterwards.
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Module 2:
Exploring Creation With General Science

counter example - An example that contradicts a scientific conclusion.
hypothesis - An educated guess that attempts to explain an observation or answer a question.
theory - A hypothesis that has been tested with a significant amount of data.
scientific law - A theory that has been tested by and is consistent with generations of data.

Schedule
☐ Read: 35 Introduction
35-39 What Science is NOT
☐ Do: 35 Experiment 2.1: How Does Weight Affect the Speed and do
36 Experiment 2.2: Learning More About Weight and Speed
☐ Read: 40-44 The Scientific Method
Draw and label a flow chart similar to Figure 2.2 The Scientific Method
☐ Do: 43 Experiment 2.3: The Broken Flashlight
☐ Read: 45-48 Failures of the Scientific Method
☐ Read: 49-55 The Limitations of Science and Science and Christianity
☐ Study Guide
☐ Study Guide
☐ Test
Notes:

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Module 3:
Exploring Creation With General Science

experimental variable - An aspect of an experiment which changes during the course of the experiment.
control (of an experiment) - The variable or part of the experiment to which all others can be compared.
blind studies - Experiments in which the participants do not know whether or not they are a part of a control group.
double blind studies - Experiments in which neither the participants nor the people analyzing the results know who is in the control group.

Schedule
☐ 60 Do Experiment 3.1: A Floating Egg?
☐ 63 Do Experiment 3.2: Which "Boat" Will Move?
☐ 66 Do Experiment 3.3: What Does Soap Do To Water? - Part 1
☐ 67 Do Experiment 3.4: What Does Soap Do To Water? - Part 2
☐ Read through pages 59-69, From *Introduction* and stop at *Recognizing Experimental Variables When They are not Obvious*, Do all OYO questions.
☐ Read 70-73 Recognizing Experimental Variables When They are not Obvious
☐ Read 73-76 Interpreting the Results of Experiments – Study to understand the chart in Fig 1.1
☐ Study Guide
☐ Study Guide
☐ Test
Notes:

Always do the On Your Own questions and check your work afterwards.
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