

Biology Reading

First Semester

The Big Picture

Biology 11 What is Biology?	4 - 11
Biology 12 Scientific Method and Safety	13 - 27
Biology 13 Connections Across Content	34 - 54 // Physiology 22 - 33

Cell Biology

Biology 14 Cell Organization	66 - 87 // Physiology 54 - 66
Biology 15 Plant Cells	94 - 108 // 600 - 616
Biology 16 Prokaryotic and Eukaryotic Cells	502 - 503 // 510 - 527

Cell Cycle

Biology 17 Mitosis and Cytokinesis	126 - 147 // Physiology 67 - 74
Biology 18 DNA and Heredity	158 - 181 // 212 - 241
Biology 19 Genes Genetics and Chromosomes	188 - 205

Classification

Biology 21 Organization of Living Things	486 - 503
Biology 22 Animal Classification	650 - 702
Biology 23 Interdependence of Living Things	384 - 395

Evolution and Natural Selection

Biology 24 Theory of Evolution	280 - 301
Biology 25 Protist Evolution	536 - 554
Biology 26 Adaptations and Natural Selection	308 - 331
Biology 27 Populations and Genetics	315 - 331
Biology 28 Mid-Year Use of a Light Microscope	R8 - R10

Nowiki, S. (2012). Biology. Orlando, FL: Houghton Mifflin Harcourt Publishing Company.
Dobson, K. (2008). Physical Science. Austin, TX: Holt, Rinehart and Winston.

Second Semester

Evolution and Animals

Biology 31 Darwin, Evolution and Fossils	336 - 361
Biology 32 Animal Characteristics	684 - 701 // 710 - 731
Biology 33 Animal Behaviors	766 - 787

Using Science Models

Biology 34 Science Observation and Measure	Earth 18-19; Physical 876-877; Bio 13-23
Biology 35 Science Models	370 - 380
Biology 36 Interpretation and Communication	R15-R17

Lab Dissection

Biology 37 Dissection Preparation	798 - 802 // 725 - 729
Biology 38 Dissection in Lab	n/a
Biology 39 Dissection Analysis	808 - 811

Sub-disciplines Connections

Biology 41 Fields in the Life Sciences	246 - 272 // R38 – R39
Biology 42 Physiology and the Human Body	796 - 811 // Physiology 2 -18
Biology 43 Ecology and Sustainable Development	428 - 446

Deep Dive Review on the Cell

Biology 44 Deep Dive – the Cell	Physiology 54 - 67
Biology 45 Deep Dive – Heredity	Physiology 67 - 74
Biology 46 Deep Dive – Biological Diversity	400 - 421

Year-End Review

Biology 47 Scientific Inquiry	R 2 – R17
Biology 48 Organisms and Living Systems	R27 – R41
Biology 49 Year-End Capstone	2 - 27