

Table of Contents

ESP Method			PAGES
Week	Unit 1	Chemistry of Life and the Cell	
1	Chapter 1	Intro to Biology	9-21
2	Chapter 2	Chemistry 101	22-33
3	Chapter 3	Chemistry of Life	34-47
4	Chapter 4	Cell Biology (+Unit 1 Quiz)	48-65
	Unit 2	Matter and Energy Flow in Cells	
5	Chapter 5	Cell Membranes and Transport	66-78
6	Chapter 6	Energy, ATP, and Enzymes	79-87
7	Chapter 7	Cellular Respiration and Fermentation	88-101
8	Chapter 8	Photosynthesis (+Unit 2 Quiz)	102-115
9		Pre-Test + Test Chapters 1-8	116-130
	Unit 3	Genetics I: Cellular Division and Proteins	
10	Chapter 9	Mitosis	131-144
11	Chapter 10	Meiosis	145-156
12	Chapter 11	Transcription	157-172
13	Chapter 12	Translation (+Unit 3 Quiz)	173-185
	Unit 4	Genetics II: Inheritance Patterns	
14	Chapter 13	Mendelian Genetics and Inheritance	186-199
15	Chapter 14	Non-Mendelian Genetics and Inheritance	200-212
16	Chapter 15	Pedigrees and Chromosomal Mutations	213-222
17	Chapter 16	Gene Mutations and Repair (+Unit 4 Quiz)	223-241
18		Test Chapters 9-16	242-258
	Unit 5	Darwin, Evolution, and Natural Selection	
19	Chapter 17	Evolution and Natural Selection	259-268
20	Chapter 18	Mechanisms of Evolution	269-278
21	Chapter 19	Phylogeny and Speciation	279-292
22	Chapter 20	Evidence for Evolution (+Unit 5 Quiz)	293-310

Week	Unit 6	Viruses and Kingdoms of Life I	
23	Chapter 21	Viruses	311-322
24	Chapter 22	Bacteria	323-332
25	Chapter 23	Protists	333-345
26	Chapter 24	Fungi (+Unit 6 Quiz)	346-362
27		Test Chapters 17-24	363-377
	Unit 7	Kingdoms of Life II	
28	Chapter 25	Seedless Plants	378-390
29	Chapter 26	Seed-bearing Plants	391-403
30	Chapter 27	Animals and Animal Systems I	404-416
31	Chapter 28	Animals and Animal Systems II (+Unit 7 Quiz)	417-432
	Unit 8	Ecology	
32	Chapter 29	Reservoirs, Spheres, Biomes	433-447
32	Chapter 30	Food Webs and Biogeochemical Cycles I	448-460
34	Chapter 31	Biogeochemical Cycles II	461-473
35	Chapter 32	Human Impact on Natural Resources (+Unit 8 Quiz)	474-491
36		Test Chapters 25-32	492-506
	Materials List		507-515
	Glossary		516-592
	Credits		593-595