

***Life Science Daybook* correlated to *ScienceSaurus*[®]
Grades 6–8**

<i>Life Science Daybook</i>	<i>ScienceSaurus</i>[®]
UNIT 1: Cells	
Chapter 1: Structure of a Cell	
1. Sentries at the Gate (p. 10-13)	076—Cells 077—Animal Cell 078—Plant Cell
2. All Kinds of Parts (p. 14-17)	077—Animal Cell 078—Plant Cell 079—Cell Processes
3. The Nucleus and DNA (p. 18-19)	115—DNA 116—Genes 120—Cloning
Chapter 2: Cells at Work	
4. Energy for Life (p. 20-23)	077—Animal Cell 079—Cell Processes 105—Animal Physiology
5. Photosynthesis (p. 24-27)	078—Plant Cell 079—Cell Processes 107—Plant Physiology
6. All Together Now (p. 28-29)	079—Cell Processes
Chapter 3: Cell Division	
7. One Becomes Two (p. 30-33)	080—Cell Division 081—Stages of Cell Division 115—DNA
8. The Sorcerer’s Apprentice (p. 34-37)	390—Kinds of Graphs 394—Line Graphs
9. Cells Out of Control (p. 38-39)	080—Cell Division 098—Immune System
Chapter 4: When Cells Get Together	
10. All Charged Up (p. 40-43)	076—Cells 082—Tissues, Organs, and Systems 095—Nervous System
11. Growing Tissue (p. 44-47)	076—Cells 082—Tissues, Organs, and Systems
12. Organ Misfire (p. 48-49)	082—Tissues, Organs, and Systems 097—Endocrine System
UNIT 2: Heredity, Diversity, and Change	
Chapter 5: How Genes Work	
13. Your Genes and Chromosomes (p. 52-53)	115—DNA 116—Genes 117—The Human Genome 121—Heredity

14. In-gene-ius! (p. 54-57)	114—Sexual Reproduction 116—Genes 121—Heredity 122—Dominant and Recessive Alleles
15. Custom Corn (p. 58-61)	116—Genes 121—Heredity 122—Dominant and Recessive Alleles
Chapter 6: Genes and People	
16. Single-Gene Human Traits (p. 62-63)	116—Genes 121—Heredity 122—Dominant and Recessive Alleles
17. The Blue People of Kentucky (p. 64-67)	116—Genes 121—Heredity 122—Dominant and Recessive Alleles
18. More Than Just Genes (p. 68-71)	116—Genes 117—The Human Genome 121—Heredity
Chapter 7: Most Likely to Survive	
19. The Right Stuff (p. 72-75)	121—Heredity
20. Tall, Gray, and Tuskless (p. 76-79)	115—DNA 116—Genes 121—Heredity 122—Dominant and Recessive Alleles 126—The Theory of Evolution 127—Natural Selection
21. New and Improved (p. 80-81)	125—Recognizing Common Ancestors 126—The Theory of Evolution
Chapter 8: One Hundred Million Kinds of Things	
22. What's in a Name? (p. 82-85)	150—Classification
23. We Are Family (p. 86-89)	151—Classification Hierarchy
24. It's Classified! (p. 90-91)	N/A
UNIT 3: Living Things	
Chapter 9: Bacteria	
25. More Bacteria for Your Buck (p. 94-97)	076—Cells 098—Immune System 157—Kingdom Monera
26. The Bad Guys (p. 98-101)	N/A
27. Bacteria at Work (p. 102-103)	157—Kingdom Monera 330—Renewable Material Resources
Chapter 10: How Insects Get Around	
28. Walk Like an Insect (p. 104-107)	075—Structure and Function 161—Vertebrates and Invertebrates
29. Jump! (p. 108-109)	075—Structure and Function
30. Flights of Fancy (p. 110-113)	106—Animal Life Cycles 109—Behavior 110—Animal Behavior

Chapter 11: Killer Whales: Wolves of the Sea	
31. Sounds of the Sea (p. 114-117)	110—Animal Behavior
32. The Hunters (p. 118-121)	110—Animal Behavior
33. Name That Whale (p. 122-123)	N/A
Chapter 12: Plant Adaptations	
34. Mistletoe, Birds, and Trees (p. 124-127)	127—Natural Selection 132—Relationships Between Populations
35. Not Your Usual Carnivores (p. 128-131)	133—Feeding Relationships
36. What Attracts Insects to Flowers (p. 132-133)	108—Plant Life Cycles 114—Sexual Reproduction
UNIT 4: Human Body Systems	
Chapter 13: Coming to Our Senses	
37. Testing Taste Buds (p. 136-139)	096—The Five Senses
38. Balancing Act (p. 140-141)	N/A
39. How Does It Feel? (p. 142-145)	095—The Nervous System 096—The Five Senses
Chapter 14: Body Work	
40. In One End . . . (p. 146-149)	082—Tissues, Organs, and Systems 089—Digestive System
41. The Beat Goes On (p. 150-153)	093—Circulatory System
42. On the Move (p. 154-155)	087—Muscular System
Chapter 15: A Mind of It's Own	
43. Brain Scan (p. 156-157)	095—Nervous System
44. Sleep on It (p. 158-161)	095—Nervous System
45. Seeing Things (p. 162-165)	095—Nervous System 096—The Five Senses
Chapter 16: Diseases Through Time	
46. Conquering Polio (p. 166-169)	098—The Immune System
47. The Buzz on Malaria (p. 170-171)	093—Circulatory System 098—Immune System 156—Protist Kingdom
48. Help Yourself Stay Healthy (p. 172-175)	098—Immune System 155—Fungi Kingdom 156—Protist Kingdom 157—Kingdom Monera
UNIT 5: Ecology	
Chapter 17: Populations, Communities, and Ecosystems	
49. The Cane Toad Invasion (p. 178-181)	113—Reproduction 130—Populations 132—Relationships Between Populations
50. Poison Toads (p. 182-185)	106—Animal Life Cycles 420—Researching Information
51. Bad Neighbors (p. 186-187)	110—Animal Behavior 129—Ecosystems 132—Relationships Between Populations

Chapter 18: Under the Grassland Sky	
52. Eat or Be Eaten (p. 188-191)	130—Populations 129—Ecosystems 132—Relationships Between Populations 133—Feeding Relationships 134—Food Chains 135—Food Webs
53. A Place of Their Own (p. 192-195)	131—Factors that Affect Populations 132—Relationships Between Populations
54. The Fragile Land (p. 196-197)	129—Ecosystems 131—Factors that Affect Populations 132—Relationships Between Populations 133—Feeding Relationships 135—Food Webs
Chapter 19: Rain Forest	
55. Let it Rain (p. 198-201)	141—Biomes 145—Tropical Rain Forests 230—Pattern of World Climates
56. The Seeds of Biodiversity (p. 202-205)	124—Biodiversity 145—Tropical Rain Forests
57. Going, Going . . . Gone? (p. 206-207)	N/A
Chapter 20: Protecting Earth	
58. The Lesson of Easter Island (p. 208-211)	129—Ecosystems 130—Populations 131—Factors that Affect Populations
59. People Make a Difference (p. 212-213)	148—Freshwater Ecosystems 149—Saltwater Ecosystems 328—Renewable Energy Resources 341—Habitat Loss
60. Be an Eco-Hero (p. 214-217)	124—Biodiversity