

# Biology Core

## Unit 1: Introduction to Biology

### Lesson 1.1: Biology as Science

- 1.1.1: Study - The Nature of Science Duration: 40 min
- 1.1.2: Quiz - The Nature of Science Duration: 20 min \_\_\_\_ / 20
- 1.1.3: Study - The Scientific Process Duration: 40 min
- 1.1.4: Quiz - The Scientific Process Duration: 20 min \_\_\_\_ / 20
- 1.1.5: Journal - What is a Biologist Duration: 40 min \_\_\_\_ / 20

### Lesson 1.2: Connections in Biology

- 1.2.1: Study - Themes in Biology Duration: 40 min
- 1.2.2: Quiz - Themes in Biology Duration: 20 min \_\_\_\_ / 20
- 1.2.3: Study - Science, Society, and Technology Duration: 40 min
- 1.2.4: Quiz - Science, Society, and Technology Duration: 20 min \_\_\_\_ / 20
- 1.2.5: Practice - Themes in Biology Duration: 1 hr \_\_\_\_ / 25

### Lesson 1.3: Doing Science: Introduction to Biology

- 1.3.1: Study - Making a Rip-O-Meter Duration: 40 min
- 1.3.2: Quiz - Making a Rip-O-Meter Duration: 20 min \_\_\_\_ / 20
- 1.3.3: Lab - Making a Rip-O-Meter Duration: 1 hr 30 min \_\_\_\_ / 50
- 1.3.4: Discuss - Making a Rip-O-Meter Duration: 20 min \_\_\_\_ / 15

### Lesson 1.4: Introduction to Biology Wrap-Up

- 1.4.1: Review - Introduction to Biology Review Duration: 30 min
- 1.4.2: Test (CST) - Introduction to Biology Test Duration: 1 hr \_\_\_\_ / 50
- 1.4.3: Test (TST) - Introduction to Biology Test Duration: 1 hr \_\_\_\_ / 50

### Lesson 1.5: Diagnostic

- 1.4.1: Diag - Introduction to Biology Duration: 1 hr \_\_\_\_ / 25

## Unit 2: The Chemistry of Biology

### Lesson 2.1: Chemistry of Life

- 2.1.1: Study - Common Elements in Living Things Duration: 40 min
- 2.1.2: Quiz - Common Elements in Living Things Duration: 20 min \_\_\_\_ / 20
- 2.1.3: Study - Chemical Reactions and Bonding Duration: 40 min
- 2.1.4: Quiz - Chemical Reactions and Bonding Duration: 20 min \_\_\_\_ / 20
- 2.1.5: Journal - Chemistry in Biology Duration: 40 min \_\_\_\_ / 20

### Lesson 2.2: Carbohydrates, Lipids, and Nucleic Acids

- 2.2.1: Study - Carbohydrates Duration: 40 min
- 2.2.2: Quiz - Carbohydrates Duration: 20 min \_\_\_\_ / 20
- 2.2.3: Study - Nucleic Acids and Lipids Duration: 1 hr
- 2.2.4: Quiz - Nucleic Acids and Lipids Duration: 20 min \_\_\_\_ / 20

### Lesson 2.3: Proteins, Enzymes, and Water

- 2.3.1: Study - Proteins and Enzymes Duration: 40 min
- 2.3.2: Quiz - Proteins and Enzymes Duration: 20 min \_\_\_\_ / 20
- 2.3.3: Study - Water Duration: 40 min
- 2.3.4: Quiz - Water Duration: 20 min \_\_\_\_ / 20
- 2.3.5: Practice - The Chemistry of Biology Duration: 1 hr \_\_\_\_ / 25

### Lesson 2.4: Doing Science: The Chemistry of Biology

- 2.4.1: Study - Way to Go, Indigo Duration: 40 min
- 2.4.2: Quiz - Way to Go, Indigo Duration: 20 min \_\_\_\_ / 20
- 2.4.3: Lab - Way to Go, Indigo Duration: 1 hr 30 min \_\_\_\_ / 50
- 2.4.4: Discuss - Way to Go, Indigo Duration: 20 min \_\_\_\_ / 15

### Lesson 2.5: The Chemistry of Biology

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| <input type="checkbox"/> <b>2.5.1: Review – The Chemistry of Biology Review</b> Duration: 30 min             |
| <input type="checkbox"/> <b>2.5.2: Test (CST) – The Chemistry of Biology Test</b> Duration: 1 hr ____ / 50   |
| <input type="checkbox"/> <b>2.5.3: Test (TST) – The Chemistry of Biology Test</b> Duration: 1 hr ____ / 50   |
| <b>Lesson 2.6: The Chemistry of Biology</b>  |
| <input type="checkbox"/> <b>2.6.1: Diag – The Chemistry of Biology</b> Duration: 1 hr ____ / 25              |
| <b>Unit 3: Cells</b>   |
| <b>Lesson 3.1: Cell Structure</b>  |
| <input type="checkbox"/> <b>3.1.1: Study – General Structure of the Cell</b> Duration: 40 min                |
| <input type="checkbox"/> <b>3.1.2: Quiz – General Structure of the Cell</b> Duration: 20 min ____ / 20       |
| <input type="checkbox"/> <b>3.1.3: Study – Detailed Structure of the Cell</b> Duration: 40 min               |
| <input type="checkbox"/> <b>3.1.4: Quiz – Detailed Structure of the Cell</b> Duration: 20 min ____ / 20      |
| <input type="checkbox"/> <b>3.1.5: Journal – Your Cells</b> Duration: 40 min ____ / 20                       |
| <b>Lesson 3.2: Cell Membrane</b>   |
| <input type="checkbox"/> <b>3.2.1: Study – Cell Membrane Structure</b> Duration: 40 min                      |
| <input type="checkbox"/> <b>3.2.2: Quiz – Cell Membrane Structure</b> Duration: 20 min ____ / 20             |
| <input type="checkbox"/> <b>3.2.3: Study – Cellular Transport</b> Duration: 40 min                           |
| <input type="checkbox"/> <b>3.2.4: Quiz – Cellular Transport</b> Duration: 20 min ____ / 20                  |
| <b>Lesson 3.3: Cell Differentiation</b>  |
| <input type="checkbox"/> <b>3.3.1: Study – Specialized Cells and Tissues</b> Duration: 40 min                |
| <input type="checkbox"/> <b>3.3.2: Quiz – Specialized Cells and Tissues</b> Duration: 20 min ____ / 20       |
| <input type="checkbox"/> <b>3.3.3: Study – Differentiated and Stem Cells</b> Duration: 40 min                |
| <input type="checkbox"/> <b>3.3.4: Quiz – Cell Differentiation and Stem Cells</b> Duration: 20 min ____ / 20 |
| <input type="checkbox"/> <b>3.3.5: Practice – Differentiation</b> Duration: 1 hr ____ / 25                   |
| <b>Lesson 3.4: Doing Science: Cells</b>  |
| <input type="checkbox"/> <b>3.4.1: Study – Design a Cell</b> Duration: 40 min                                |
| <input type="checkbox"/> <b>3.4.2: Quiz – Design a Cell</b> Duration: 20 min ____ / 20                       |
| <input type="checkbox"/> <b>3.4.3: Lab – Design a Cell</b> Duration: 1 hr 30 min ____ / 50                   |
| <input type="checkbox"/> <b>3.4.4: Discuss – Design a Cell</b> Duration: 20 min ____ / 15                    |
| <b>Lesson 3.5: Cells Wrap-Up</b>   |
| <input type="checkbox"/> <b>3.5.1: Review – Cells Review</b> Duration: 30 min                                |
| <input type="checkbox"/> <b>3.5.2: Test (CST) – Cells Test</b> Duration: 1 hr ____ / 50                      |
| <input type="checkbox"/> <b>3.5.3: Test (TST) – Cells Test</b> Duration: 1 hr ____ / 50                      |
| <b>Lesson 3.6: Diagnostic</b>  |
| <input type="checkbox"/> <b>3.6.1: Diag - Cells</b> Duration: 1 hr ____ / 25                                 |
| <b>Unit 4: Energy Transfer</b>   |
| <b>Lesson 4.1: Photosynthesis</b>  |
| <input type="checkbox"/> <b>4.1.1: Study – Photosynthesis Introduction</b> Duration: 40 min                  |
| <input type="checkbox"/> <b>4.1.2: Quiz – Photosynthesis Introduction</b> Duration: 20 min ____ / 20         |
| <input type="checkbox"/> <b>4.1.3: Study – Process of Photosynthesis</b> Duration: 40 min                    |
| <input type="checkbox"/> <b>4.1.4: Quiz – Process of Photosynthesis</b> Duration: 20 min ____ / 20           |
| <b>Lesson 4.2: Cellular Respiration</b>  |
| <input type="checkbox"/> <b>4.2.1: Study – Respiration Introduction</b> Duration: 40 min                     |
| <input type="checkbox"/> <b>4.2.2: Quiz – Respiration Introduction</b> Duration: 20 min ____ / 20            |
| <input type="checkbox"/> <b>4.2.3: Study – Process of Respiration</b> Duration: 40 min                       |
| <input type="checkbox"/> <b>4.2.4: Quiz – Process of Respiration</b> Duration: 20 min ____ / 20              |
| <input type="checkbox"/> <b>4.2.5: Practice - Respiration</b> Duration: 1 hr ____ / 25                       |
| <b>Lesson 4.3: Matter and Energy</b>   |

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| <input type="checkbox"/> <b>4.3.1: Study – Relationships in an Ecosystem</b> Duration: 40 min                       |
| <input type="checkbox"/> <b>4.3.2: Quiz – Relationships in an Ecosystem</b> Duration: 20 min ____ / 20              |
| <input type="checkbox"/> <b>4.3.3: Study – Energy in the Food Web</b> Duration: 40 min                              |
| <input type="checkbox"/> <b>4.3.4: Quiz – Energy in the Food Web</b> Duration: 20 min ____ / 20                     |
| <input type="checkbox"/> <b>4.3.5: Journal – Your Source of Energy</b> Duration: 40 min ____ / 20                   |
| <b>Lesson 4.4: Doing Science: Energy Transfer</b>   |
| <input type="checkbox"/> <b>4.4.1: Study – A Twist on Fermentation</b> Duration: 40 min                             |
| <input type="checkbox"/> <b>4.4.2: Quiz – A Twist on Fermentation</b> Duration: 20 min ____ / 20                    |
| <input type="checkbox"/> <b>4.4.3: Lab – A Twist on Fermentation</b> Duration: 1 hr 30 min ____ / 50                |
| <input type="checkbox"/> <b>4.4.4: Discuss – A Twist on Fermentation</b> Duration: 20 min ____ / 15                 |
| <b>Lesson 4.5: Energy Transfer Wrap-Up</b>  |
| <input type="checkbox"/> <b>4.5.1: Review – Energy Transfer Wrap-up</b> Duration: 30 min                            |
| <input type="checkbox"/> <b>4.5.2: Test (CST) – Energy Transfer Test</b> Duration: 1 hr ____ / 50                   |
| <input type="checkbox"/> <b>4.5.3: Test (TST) – Energy Transfer Test</b> Duration: 1 hr ____ / 50                   |
| <b>Lesson 4.6: Diagnostic</b>   |
| <input type="checkbox"/> <b>4.6.1: Diag – Energy Transfer</b> Duration: 1 hr ____ / 25                              |
| <b>Unit 5: Earth’s Resources</b>  |
| <b>Lesson 5.1: Biogeochemical Cycles</b>  |
| <input type="checkbox"/> <b>5.1.1: Study – Water and Oxygen Cycles</b> Duration: 40 min                             |
| <input type="checkbox"/> <b>5.1.2: Quiz – Water and Oxygen Cycles</b> Duration: 20 min ____ / 20                    |
| <input type="checkbox"/> <b>5.1.3: Study – Carbon and Nitrogen Cycles</b> Duration: 20 min ____ / 20                |
| <input type="checkbox"/> <b>5.1.4: Quiz – Carbon and Nitrogen Cycles</b> Duration: 20 min ____ / 20                 |
| <input type="checkbox"/> <b>5.1.5: Journal – Your Contribution</b> Duration: 40 min ____ / 20                       |
| <b>Lesson 5.2: A Changing Earth</b>   |
| <input type="checkbox"/> <b>5.2.1: Study – Climate Change</b> Duration: 40 min                                      |
| <input type="checkbox"/> <b>5.2.2: Quiz – Climate Change</b> Duration: 20 min ____ / 20                             |
| <input type="checkbox"/> <b>5.2.3: Study – Human Population</b> Duration: 40 min                                    |
| <input type="checkbox"/> <b>5.2.4: Quiz – Human Population</b> Duration: 20 min ____ / 20                           |
| <b>Lesson 5.3: Solutions for the Future</b>   |
| <input type="checkbox"/> <b>5.3.1: Study – Sustaining Resources</b> Duration: 40 min                                |
| <input type="checkbox"/> <b>5.3.2: Quiz – Sustaining Resources</b> Duration: 20 min ____ / 20                       |
| <input type="checkbox"/> <b>5.3.3: Study – Alternative Energy</b> Duration: 40 min                                  |
| <input type="checkbox"/> <b>5.3.4: Quiz – Alternative Energy</b> Duration: 20 min ____ / 20                         |
| <input type="checkbox"/> <b>5.3.5: Practice – Human Choices and the Environment</b> Duration: 1 hr ____ / 25        |
| <b>Lesson 5.4: Doing Science: Earth’s Resources</b>   |
| <input type="checkbox"/> <b>5.4.1: Study – Can Lake Life Remain Despite Acid Rain</b> Duration: 40 min              |
| <input type="checkbox"/> <b>5.4.2: Quiz – Can Lake Life Remain Despite Acid Rain</b> Duration: 20 min ____ / 20     |
| <input type="checkbox"/> <b>5.4.3: Lab – Can Lake Life Remain Despite Acid Rain</b> Duration: 1 hr 30 min ____ / 50 |
| <input type="checkbox"/> <b>5.4.4: Discuss – Can Lake Life Remain Despite Acid Rain</b> Duration: 20 min ____ / 15  |
| <b>Lesson 5.5: Earth’s Resources Wrap-Up</b>  |
| <input type="checkbox"/> <b>5.5.1: Review – Earth Science Review</b> Duration: 30 min                               |
| <input type="checkbox"/> <b>5.5.2: Test (CST) – Earth Science Test</b> Duration: 1 hr ____ / 50                     |
| <input type="checkbox"/> <b>5.5.3: Test (TST) – Earth Science Test</b> Duration: 1 hr ____ / 50                     |
| <b>Lesson 5.6: Diagnostic</b>   |
| <input type="checkbox"/> <b>5.6.1: Diag – Earth Science</b> Duration: 1 hr ____ / 25                                |
| <b>Unit 6: Biology Semester 1 Review and Exam</b>   |
| <b>Lesson 6.1: Biology Semester 1</b>   |
| <input type="checkbox"/> <b>6.1.1: Review - Biology Semester 1 Review</b> Duration: 1 hr                            |
| <input type="checkbox"/> <b>6.1.2: Exam - Biology Semester 1 Test</b> Duration: 1 hr ____ / 100                     |

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| <input type="checkbox"/> <b>6.1.3: Final Exam - Biology Semester 1 Test</b> Duration: 1 hr ____ / 100    |
| <b>Unit 7: DNA and Heredity</b>  |
| <b>Lesson 7.1: The Code of Life</b>  |
| <input type="checkbox"/> <b>7.1.1: Study - Organization of DNA</b> Duration: 40 min                      |
| <input type="checkbox"/> <b>7.1.2: Quiz - Organization of DNA</b> Duration: 20 min ____ / 20             |
| <input type="checkbox"/> <b>7.1.3: Study - Principles of Heredity</b> Duration: 40 min                   |
| <input type="checkbox"/> <b>7.1.4: Quiz - Principles of Heredity</b> Duration: 20 min ____ / 20          |
| <input type="checkbox"/> <b>7.1.5: Journal - Your Family Traits</b> Duration: 40 min ____ / 20           |
| <b>Lesson 7.2: Making New Cells</b>  |
| <input type="checkbox"/> <b>7.2.1: Study - Mitosis</b> Duration: 40 min                                  |
| <input type="checkbox"/> <b>7.2.2: Quiz - Mitosis</b> Duration: 20 min ____ / 20                         |
| <input type="checkbox"/> <b>7.2.3: Study - Meiosis</b> Duration: 40 min                                  |
| <input type="checkbox"/> <b>7.2.4: Quiz - Meiosis</b> Duration: 20 min ____ / 20                         |
| <b>Lesson 7.3: Mendelian Genetics</b>  |
| <input type="checkbox"/> <b>7.3.1: Study - Basics of Mendelian Genetics</b> Duration: 50 min             |
| <input type="checkbox"/> <b>7.3.2: Quiz - Basics of Mendelian Genetics</b> Duration: 20 min ____ / 20    |
| <input type="checkbox"/> <b>7.3.3: Study - Predicting Genetic Outcomes</b> Duration: 40 min              |
| <input type="checkbox"/> <b>7.3.4: Quiz - Predicting Genetic Outcomes</b> Duration: 20 min ____ / 20     |
| <input type="checkbox"/> <b>7.3.5: Practice - Your Traits</b> Duration: 1 hr ____ / 25                   |
| <b>Lesson 7.4: Doing Science: DNA and Heredity</b>   |
| <input type="checkbox"/> <b>7.4.1: Study - Radical Radishes</b> Duration: 40 min                         |
| <input type="checkbox"/> <b>7.4.2: Quiz - Radical Radishes</b> Duration: 20 min ____ / 20                |
| <input type="checkbox"/> <b>7.4.3: Lab - Radical Radishes</b> Duration: 1 hr 30 min ____ / 50            |
| <input type="checkbox"/> <b>7.4.4: Discuss - Radical Radishes</b> Duration: 20 in ____ / 15              |
| <b>Lesson 7.5: DNA and Heredity Wrap-Up</b>  |
| <input type="checkbox"/> <b>7.5.1: Review - DNA and Heredity Review</b> Duration: 30 min                 |
| <input type="checkbox"/> <b>7.5.2: Test (CST) - DNA and Heredity Test</b> Duration: 1 hr ____ / 50       |
| <input type="checkbox"/> <b>7.5.3: Test (TST) - DNA and Heredity Test</b> Duration: 1 hr ____ / 50       |
| <b>Lesson 7.6: Diagnostic</b>  |
| <input type="checkbox"/> <b>7.6.1: Diag - DNA and Heredity</b> Duration: 45 min ____ / 28                |
| <b>Unit 8: DNA to Protein</b>  |
| <b>Lesson 8.1: Structure of Genetic Material</b>   |
| <input type="checkbox"/> <b>8.1.1: Study - Molecular DNA and RNA Structure</b> Duration: 40 min          |
| <input type="checkbox"/> <b>8.1.2: Quiz - Molecular DNA and RNA Structure</b> Duration: 20 min ____ / 20 |
| <input type="checkbox"/> <b>8.1.3: Study - Viruses and Bacteria</b> Duration: 40                         |
| <input type="checkbox"/> <b>8.1.4: Quiz - Viruses and Bacteria</b> Duration: 20 ____ / 20                |
| <input type="checkbox"/> <b>8.1.5: Journal - Nucleic Acids in Your Body</b> Duration: 40 ____ / 20       |
| <b>Lesson 8.2: From DNA to Protein</b>   |
| <input type="checkbox"/> <b>8.2.1: Study - Transcription</b> Duration: 40 min                            |
| <input type="checkbox"/> <b>8.2.2: Quiz - Transcription</b> Duration: 20 min ____ / 20                   |
| <input type="checkbox"/> <b>8.2.3: Study - Translation</b> Duration: 40 min                              |
| <input type="checkbox"/> <b>8.2.4: Quiz - Translation</b> Duration: 20 min ____ / 20                     |
| <b>Lesson 8.3: Changes to DNA</b>  |
| <input type="checkbox"/> <b>8.3.1: Study - Genetic Mutations</b> Duration: 40 min                        |
| <input type="checkbox"/> <b>8.3.2: Quiz - Genetic Mutations</b> Duration: 20 min ____ / 20               |
| <input type="checkbox"/> <b>8.3.3: Study - DNA Technology</b> Duration: 40 min                           |
| <input type="checkbox"/> <b>8.3.4: Quiz - DNA Technology</b> Duration: 20 min ____ / 20                  |
| <input type="checkbox"/> <b>8.3.5: Practice - Cancer and Mutation</b> Duration: 1 hr ____ / 25           |

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| <b>Lesson 8.4: Doing Science: DNA to Protein</b>   |
| <input type="checkbox"/> <b>8.4.1: Study – The Right Prescription for Bacteria</b> Duration: 40 min                |
| <input type="checkbox"/> <b>8.4.2: Quiz - The Right Prescription for Bacteria</b> Duration: 20 min ____ / 20       |
| <input type="checkbox"/> <b>8.4.3: Lab - The Right Prescription for Bacteria</b> Duration: 1 hr 30 min ____ / 50   |
| <input type="checkbox"/> <b>8.4.4: Discuss – The Right Prescription for Bacteria</b> Duration: 20 min ____ / 15    |
| <b>Lesson 8.5: DNA to Protein Wrap-Up</b>  |
| <input type="checkbox"/> <b>8.5.1: Review – DNA to Protein Review</b> Duration: 30 min                             |
| <input type="checkbox"/> <b>8.5.2: Test (CST) - DNA to Protein Test</b> Duration: 1 hr ____ / 50                   |
| <input type="checkbox"/> <b>8.5.3: Test (TST) - DNA to Protein Test</b> Duration: 1 hr ____ / 50                   |
| <b>Lesson 8.6: Diagnostic</b>  |
| <input type="checkbox"/> <b>8.6.1: Diag – DNA to Protein</b> Duration: 1 hr ____ / 25                              |
| <b>Unit 9: Ecosystems and Natural Selection</b>  |
| <b>Lesson 9.1: Ecosystems</b>  |
| <input type="checkbox"/> <b>9.1.1: Study - Ecosystems and Biomes</b> Duration: 40 min                              |
| <input type="checkbox"/> <b>9.1.2: Quiz - Ecosystems and Biomes</b> Duration: 20 min ____ / 20                     |
| <input type="checkbox"/> <b>9.1.3: Study – Stability and Change in an Ecosystem</b> Duration: 40 min               |
| <input type="checkbox"/> <b>9.1.4: Quiz - Stability and Change in an Ecosystem</b> Duration: 20 min ____ / 20      |
| <input type="checkbox"/> <b>9.1.5: Journal – Your Ecosystem</b> Duration: 40 min ____ / 20                         |
| <b>Lesson 9.2: Populations</b>   |
| <input type="checkbox"/> <b>9.2.1: Study – Population Structure</b> Duration: 40 min                               |
| <input type="checkbox"/> <b>9.2.2: Quiz – Population Structure</b> Duration: 20 min ____ / 20                      |
| <input type="checkbox"/> <b>9.2.3: Study – Population Dynamics</b> Duration: 40 min                                |
| <input type="checkbox"/> <b>9.2.4: Quiz – Population Dynamics</b> Duration: 20 min ____ / 20                       |
| <b>Lesson 9.3: Adaptation and Natural Selection</b>  |
| <input type="checkbox"/> <b>9.3.1: Study – Variation and Adaptation</b> Duration: 40 min                           |
| <input type="checkbox"/> <b>9.3.2: Quiz - Variation and Adaptation</b> Duration: 30 min ____ / 50                  |
| <input type="checkbox"/> <b>9.3.3: Study – Natural Selection</b> Duration: 40 min                                  |
| <input type="checkbox"/> <b>9.3.4: Quiz – Natural Selection</b> Duration: 20 min ____ / 20                         |
| <input type="checkbox"/> <b>9.3.5: Practice - Variation</b> Duration: 1 hr ____ / 25                               |
| <b>Lesson 9.4: Doing Science: Ecosystems and Natural Selection</b>   |
| <input type="checkbox"/> <b>9.4.1: Study – Birds on an Island</b> Duration: 40 min                                 |
| <input type="checkbox"/> <b>9.4.2: Quiz - Birds on an Island</b> Duration: 20 min ____ / 20                        |
| <input type="checkbox"/> <b>9.4.3: Lab - Birds on an Island</b> Duration: 1 hr 30 min ____ / 50                    |
| <input type="checkbox"/> <b>9.4.4: Discuss – Birds on an Island</b> Duration: 20 min ____ / 15                     |
| <b>Lesson 9.5: Ecosystems and Natural Selection Wrap-Up</b>  |
| <input type="checkbox"/> <b>9.5.1: Review – Ecosystems and Natural Selection Review</b> Duration: 30 min           |
| <input type="checkbox"/> <b>9.5.2: Test (CST) - Ecosystems and Natural Selection Test</b> Duration: 1 hr ____ / 50 |
| <input type="checkbox"/> <b>9.5.3: Test (TST) - Ecosystems and Natural Selection Test</b> Duration: 1 hr ____ / 50 |
| <b>Lesson 9.6: Diagnostic</b>  |
| <input type="checkbox"/> <b>9.6.1: Diag – Ecosystems and Natural Selection</b> Duration: 45 min ____ / 30          |
| <b>Unit 10: Evolution and Classification</b>   |
| <b>Lesson 10.1: Evolution</b>  |
| <input type="checkbox"/> <b>10.1.1: Study - Mechanism for Evolution</b> Duration: 40 min                           |
| <input type="checkbox"/> <b>10.1.2: Quiz – Mechanism for Evolution</b> Duration: 20 min ____ / 20                  |
| <input type="checkbox"/> <b>10.1.3: Study – Evidence for Evolution</b> Duration: 40 min                            |
| <input type="checkbox"/> <b>10.1.4: Quiz – Evidence for Evolution</b> Duration: 20 min ____ / 20                   |
| <input type="checkbox"/> <b>10.1.5: Journal - Evolution</b> Duration: 40 min ____ / 20                             |
| <b>Lesson 10.2: Classification</b>   |

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| <input type="checkbox"/> <b>10.2.1: Study – Characteristics for Life</b> Duration: 40 min                         |
| <input type="checkbox"/> <b>10.2.2: Quiz – Characteristics for Life</b> Duration: 20 min ____ / 20                |
| <input type="checkbox"/> <b>10.2.3: Study – Methods for Classification</b> Duration: 40 min                       |
| <input type="checkbox"/> <b>10.2.4: Quiz – Methods for Classification</b> Duration: 1 hr                          |
| <b>Lesson 10.3: Diversity of Life</b>   |
| <input type="checkbox"/> <b>10.3.1: Study – Microorganisms and Fungi</b> Duration: 40 min                         |
| <input type="checkbox"/> <b>10.3.2: Quiz – Microorganisms and Fungi</b> Duration: 20 min ____ / 20                |
| <input type="checkbox"/> <b>10.3.3: Study – Plants and Animals</b> Duration: 40 min                               |
| <input type="checkbox"/> <b>10.3.4: Quiz – Plants and Animals</b> Duration: 20 min ____ / 20                      |
| <input type="checkbox"/> <b>10.3.5: Practice - Organisms</b> Duration: 1 hr ____ / 25                             |
| <b>Lesson 10.4: Doing Science: Evolution and Classification</b>   |
| <input type="checkbox"/> <b>10.4.1: Study – Bones, Feathers, and Fur</b> Duration: 40 min                         |
| <input type="checkbox"/> <b>10.4.2: Quiz - Bones, Feathers, and Fur</b> Duration: 20 min ____ / 20                |
| <input type="checkbox"/> <b>10.4.3: Lab - Bones, Feathers, and Fur</b> Duration: 1 hr 30 min ____ / 50            |
| <input type="checkbox"/> <b>10.4.4: Discuss – Bones, Feathers, and Fur</b> Duration: 20 min ____ / 15             |
| <b>Lesson 10.5: Evolution and Classification Wrap-Up</b>  |
| <input type="checkbox"/> <b>10.5.1: Review – Evolution and Classification Review</b> Duration: 30 min             |
| <input type="checkbox"/> <b>10.5.2: Test (CST) - Evolution and Classification Test</b> Duration: 1 hr ____ / 50   |
| <input type="checkbox"/> <b>10.5.3: Test (TST) - Evolution and Classification Test</b> Duration: 1 hr ____ / 50   |
| <b>Lesson 10.6: Diagnostic</b>  |
| <input type="checkbox"/> <b>10.6.1: Diag - Evolution and Classification</b> Duration: 1 hr ____ / 25              |
| <b>Unit 11: Human Biology</b>   |
| <b>Lesson 11.1: The Framework</b>   |
| <input type="checkbox"/> <b>11.1.1: Study - Tissues, Muscles, and the Skeletal System</b> Duration: 40 min        |
| <input type="checkbox"/> <b>11.1.2: Quiz - Tissues, Muscles, and the Skeletal System</b> Duration: 1 hr ____ / 50 |
| <input type="checkbox"/> <b>11.1.3: Study – The Nervous System</b> Duration: 40 min                               |
| <input type="checkbox"/> <b>11.1.4: Quiz - The Nervous System</b> Duration: 1 hr                                  |
| <input type="checkbox"/> <b>11.1.5: Study – The Cardiovascular System</b> Duration: 40 min                        |
| <input type="checkbox"/> <b>11.1.6: Quiz - The Cardiovascular System</b> Duration: 20 min ____ / 20               |
| <input type="checkbox"/> <b>11.1.7: Journal – Caring for Your Body</b> Duration: 40 min ____ / 20                 |
| <b>Lesson 11.2: Transport in Human Systems</b>  |
| <input type="checkbox"/> <b>11.2.1: Study – The Circulatory System</b> Duration: 40 min                           |
| <input type="checkbox"/> <b>11.2.2: Quiz - The Circulatory System</b> Duration: 20 min ____ / 20                  |
| <input type="checkbox"/> <b>11.2.3: Study – The Respiratory System</b> Duration: 40 min                           |
| <input type="checkbox"/> <b>11.2.4: Quiz - The Respiratory System</b> Duration: 20 min ____ / 20                  |
| <input type="checkbox"/> <b>11.2.5: Study – The Endocrine and Immune Systems</b> Duration: 40 min                 |
| <input type="checkbox"/> <b>11.2.6: Quiz – The Endocrine and Immune Systems</b> Duration: 20 min ____ / 20        |
| <b>Lesson 11.3: Building Human Systems</b>  |
| <input type="checkbox"/> <b>11.3.1: Study – The Digestive and Excretory Systems</b> Duration: 40 min              |
| <input type="checkbox"/> <b>11.3.2: Quiz – The Digestive and Excretory Systems</b> Duration: 20 min ____ / 20     |
| <input type="checkbox"/> <b>11.3.3: Study – The Reproductive System</b> Duration: 40 min                          |
| <input type="checkbox"/> <b>11.3.4: Quiz – The Reproductive System</b> Duration: 20 min ____ / 20                 |
| <input type="checkbox"/> <b>11.3.5: Practice – Human Development</b> Duration: 1 hr ____ / 25                     |
| <b>Lesson 11.4: Doing Science: Human Biology</b>  |
| <input type="checkbox"/> <b>11.4.1: Study –Breaking Down Fat</b> Duration: 40 min                                 |
| <input type="checkbox"/> <b>11.4.2: Quiz -Breaking Down Fat</b> Duration: 20 min ____ / 20                        |
| <input type="checkbox"/> <b>11.4.3: Lab -Breaking Down Fat</b> Duration: 1 hr 30 min ____ / 50                    |
| <input type="checkbox"/> <b>11.4.4: Discuss –Breaking Down Fat</b> Duration: 20 min ____ / 15                     |
| <b>Lesson 11.5: Human Biology Wrap-Up</b>   |

## Biology Core

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| <input type="checkbox"/> <b>11.5.1: Review – Human Biology Review</b> Duration: 30 min             |
| <input type="checkbox"/> <b>11.5.2: Test (CST) - Human Biology Test</b> Duration: 1 hr _____ / 50  |
| <input type="checkbox"/> <b>11.5.3: Test (TST) - Human Biology Test</b> Duration: 1 hr _____ / 50  |
| <b>Lesson 11.6: Diagnostic</b>   |
| <input type="checkbox"/> <b>11.6.1: Diag – Human Biology</b> Duration: 1 hr _____ / 25             |
| <b>Unit 12: Biology Semester 2 Review and Exam</b>   |
| <b>Lesson 12.1: Biology Semester 2</b>   |
| <input type="checkbox"/> <b>12.1.1: Review - Biology Semester 2</b> Duration: 1 hr                 |
| <input type="checkbox"/> <b>12.1.2: Exam - Biology Semester 2</b> Duration: 1 hr _____ / 100       |
| <input type="checkbox"/> <b>12.1.3: Final Exam - Biology Semester 2</b> Duration: 1 hr _____ / 100 |