

# Complete, No-Prep, High School Biology Curriculum

# Full High School Biology Curriculum

- ✓ Complete High School Biology Curriculum
- ✓ Google & Distance Learning Ready
- ✓ Engaging, Inquiry-Based Lessons
- ✓ Comprehensive Coverage

**SCROLL**  
to take a look inside!



**No Prep - Ready to Go!**

# MY BIOLOGY CURRICULUM SOLVES...

- ★ Planning fatigue
- ★ Student engagement slumps
- ★ Differentiation challenges
- ★ The large scope and sequence of High School Biology

## Complete Biology Curriculum

### Your Curriculum Includes:

- 8 Complete Units - 130-135 Days of Instruction
- Daily Teaching Schedule
- Lessons, Activities, & Assessments

### Included Units:

1. Introduction to Biology
2. Cell Biology
3. Cell Processes
4. Human Body Systems
5. Evolution
6. Genetics
7. Ecology and Ecosystems
8. Climate Change and Global Warming





**Complete Curriculum  
Covering 8 Units and 135  
Days**



**Daily Teaching Lesson  
Plans**



**Teacher and Student  
Versions of each Lesson**



**Embedded Videos in your  
Presentations**



**Many Different Activity  
Types**

**Your  
Curriculum**

Lessons Include Teacher and Student  
Versions - Videos Embedded in Lessons

**Aquatic Biomes**

- Aquatic biomes include both freshwater and marine biomes
- Freshwater biomes have very little salt and include lakes, rivers, and ponds



**What is Evolution?**

- Species are not replaced
- New species branch from existing ones
- Can be caused by the environment (i.e., climate change) and/or by mutations (changes in their DNA)



**Photosynthesis - Exit Ticket**

What is the main purpose of photosynthesis?

- ☐ To absorb sunlight
- ☐ To produce oxygen
- ☐ To make glucose
- ☐ All of the above

Each lesson comes with a 4-question, autograded Exit Ticket

**Engaging Activities**



# **BONUS - ENTIRE STORE ACCESS!**

**As a special bonus for purchasing, you will get access to my ENTIRE STORE for 6 months. That means unlimited access to all my**

- ✓ Lessons**
- ✓ Lab Station Activities**
- ✓ Scavenger Hunts**
- ✓ Review Activities**
- ✓ Assessments and so much more!**

**TWIF**



# Classroom Fit Guarantee

I want you to feel confident when you purchase from Teach With Fergy. If a resource is not the right fit for your students, simply contact me and I'll provide double your purchase amount in store credit toward another resource in my store.



# Engaging Activities



Lab Station Activities



Case Studies



Projects



Reading Comprehensions



Labs and Worksheets



Digital Scavenger Hunts



# Daily Teaching Schedule

Day-by-day teaching schedule so you'll know what to teach and when each day.

| UNIT 5 – Evolution 8-10 DAYS TOTAL                                         |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|
| Natural Selection – 6-8 days                                               |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| Number of Day(s)                                                           | Course Content                                                                                                                                                                                                                                                                                                                         | Teaching Resources                                                                                          | NGSS                                                                                             |  |
| 1-2                                                                        | <ul style="list-style-type: none"><li>What is Evolution?</li><li>Just a Theory?</li><li>Evidence for Evolution</li><li>Natural Selection</li><li>Biodiversity</li><li>Adaptation</li><li>Other Mechanisms</li><li>Human Influence</li></ul>                                                                                            | Introduction to Evolution – PowerPoint Lesson and Student Notes                                             | HS-LS4-1<br>HS-LS4-2<br>HS-LS4-3<br>HS-LS4-4<br>HS-LS4-5<br>HS-LS3-2<br>HS-LS2-8                 |  |
| 1-2                                                                        | <ul style="list-style-type: none"><li>What is Evolution?</li><li>Mechanisms of Evolution</li><li>Natural Selection</li><li>Genetic Drift</li><li>Gene Flow</li><li>Sexual Selection</li><li>Artificial Selection</li><li>Check Your Understanding</li></ul>                                                                            | and Ecosystems – PowerPoint Lesson and Student Notes                                                        |                                                                                                  |  |
| 1                                                                          | <ul style="list-style-type: none"><li>Evolution Refresher</li><li>Adaptations</li><li>Physical Adaptations</li><li>Behavioral Adaptations</li><li>Adaption Inquiry</li></ul>                                                                                                                                                           | Physical & Behavioral Adaptations Lesson; Increasing an Organism's Chances of Survival                      |                                                                                                  |  |
| 1                                                                          | Hands-on review activity                                                                                                                                                                                                                                                                                                               | Introduction to Evolution – Lab Station Activity                                                            |                                                                                                  |  |
| 1                                                                          | Hands-on review activity                                                                                                                                                                                                                                                                                                               | Introduction to Evolution – A Digital Scavenger Hunt Activity                                               |                                                                                                  |  |
| 1                                                                          | Review activity                                                                                                                                                                                                                                                                                                                        | Evolution and Adaptations Word Search and Scramble Activity                                                 |                                                                                                  |  |
| Assessments: There are multiple assessments included throughout this unit. |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| UNIT TEST                                                                  |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| UNIT 6 – Genetics 9-10 DAYS TOTAL                                          |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| DNA Structure and Function – 7-8 days                                      |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| Mendelian Genetics Inheritance Patterns                                    |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| Number of Day(s)                                                           | Course Content                                                                                                                                                                                                                                                                                                                         | Teaching Resources                                                                                          | NGSS                                                                                             |  |
| 2                                                                          | <ul style="list-style-type: none"><li>Structure of Nucleotides</li><li>Functions of Nucleic Acids</li><li>Humans vs. Chimps</li><li>DNA vs. RNA</li><li>Nitrogenous bases</li><li>DNA Facts</li><li>Genes</li><li>DNA Hierarchy</li></ul>                                                                                              | Genetic Material – DNA and RNA – Google Slides and Distance Learning                                        | HS-LS1-1<br>HS-LS1-3<br>HS-LS3-2<br>HS-LS4-2<br>HS-LS4-3                                         |  |
| 1                                                                          | <ul style="list-style-type: none"><li>Mendel</li><li>Laws of Inheritance</li><li>DNA</li><li>Genes</li><li>Chromosomes</li><li>Alleles</li></ul>                                                                                                                                                                                       | DNA, Genes, Chromosomes, and Alleles – A Genetics Introduction Lesson                                       |                                                                                                  |  |
| 0-1                                                                        | Review activity                                                                                                                                                                                                                                                                                                                        | DNA and DNA Replication Word Search and Scramble Activity                                                   |                                                                                                  |  |
| 1                                                                          | Hands-on review activity                                                                                                                                                                                                                                                                                                               | DNA, Genes, Chromosomes, and Alleles – A Digital Scavenger Hunt Activity                                    |                                                                                                  |  |
| 1                                                                          | Hands-on review activity                                                                                                                                                                                                                                                                                                               | DNA, Genes, Chromosomes, and Alleles – Lab Station Activity                                                 |                                                                                                  |  |
| 1                                                                          | Review activity                                                                                                                                                                                                                                                                                                                        | Gregor Mendel – The Father of Genetics – A Famous Scientist Reading                                         |                                                                                                  |  |
| 1                                                                          | Review activity                                                                                                                                                                                                                                                                                                                        | Genetics and Gene Therapy – A Science Reading Comprehension                                                 |                                                                                                  |  |
| Assessments: There are multiple assessments included throughout this unit. |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| UNIT TEST                                                                  |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| UNIT 7 – Ecology and Ecosystems 26-29 DAYS TOTAL                           |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| Ecosystems – 7-9 days                                                      |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| Number of Day(s)                                                           | Course Content                                                                                                                                                                                                                                                                                                                         | Teaching Resources                                                                                          | NGSS                                                                                             |  |
| 1                                                                          | <ul style="list-style-type: none"><li>Ecosystems</li><li>Abiotic/Biotic</li><li>Population</li><li>Community</li><li>Describing Ecosystems</li><li>Sustainability</li></ul>                                                                                                                                                            | Ecosystems Lesson – Google Slides and Distance Learning Ready                                               | HS-LS2-1<br>HS-LS2-2<br>HS-LS2-3<br>HS-LS2-4<br>HS-LS2-5<br>HS-LS2-6                             |  |
| 1                                                                          | Hands-on review activity                                                                                                                                                                                                                                                                                                               | Ecosystems – 7 Engaging Lab Station Activities                                                              | HS-LS2-7                                                                                         |  |
| 1                                                                          | Review activity                                                                                                                                                                                                                                                                                                                        | Ecosystems – Science Reading Article                                                                        | HS-LS2-8<br>HS-LS4-5<br>HS-LS4-6                                                                 |  |
| UNIT 8 – Climate Change and Global Warming 13-14 DAYS TOTAL                |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| Climate Change and Global Warming 13-14 days                               |                                                                                                                                                                                                                                                                                                                                        |                                                                                                             |                                                                                                  |  |
| Number of Day(s)                                                           | Course Content                                                                                                                                                                                                                                                                                                                         | Teaching Resources                                                                                          | NGSS                                                                                             |  |
| 4-5                                                                        | <ul style="list-style-type: none"><li>Weather vs. Climate</li><li>Earth's energy supply</li><li>The atmosphere</li><li>Greenhouse gases</li><li>The greenhouse effect</li><li>The role of the carbon cycle</li><li>Effects of global warming</li><li>Historic climate change</li><li>Climate proxies</li><li>What you can do</li></ul> | Climate Change and Global Warming Lesson<br>Climate Change – Bell Ringers, Class Warm-Ups, and Exit Tickets | HS-LS2-6<br>HS-LS2-7<br>HS-LS4-5<br>HS-LS4-6<br>HS-ESS2-2<br>HS-ESS2-4<br>HS-ESS3-5<br>HS-ESS3-6 |  |
| 1                                                                          | Hands-on review activity                                                                                                                                                                                                                                                                                                               | Climate Change – A Device-Based Scavenger Hunt Activity                                                     |                                                                                                  |  |
| 1                                                                          | Hands-on review activity                                                                                                                                                                                                                                                                                                               | Climate Change – 7 Engaging Lab Station Activities                                                          |                                                                                                  |  |
| 1                                                                          | Review activity                                                                                                                                                                                                                                                                                                                        | Climate Change: The Reality and Danger – Science                                                            |                                                                                                  |  |

| UNIT 1 – Introduction to Biology 8-10 DAYS TOTAL                                     |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|
| Scientific Method – 5-7 days                                                         |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 3                                                                                    | <ul style="list-style-type: none"><li>Scientific Method and practice</li><li>Lab Hands-on Activities</li></ul>                                                                                                                                                                                                                                             | Scientific Method Activity and Lesson Bundle                                                                            | HS-ETS1-1<br>HS-ETS1-2<br>HS-ETS1-3<br>HS-PS1-5<br>HS-LS1-3<br>HS-ESS2-5                     |  |
| 1                                                                                    | Scientific Method Activity                                                                                                                                                                                                                                                                                                                                 | Scientific Method – Lab Station Activity                                                                                |                                                                                              |  |
| 0-2                                                                                  | Scientific Method Hands-on Activities                                                                                                                                                                                                                                                                                                                      | Scientific Method Investigations – 6 Student-Led Experiments                                                            |                                                                                              |  |
| 1                                                                                    | 2 Scientific Method Classroom Review Activities                                                                                                                                                                                                                                                                                                            | The Scientific Method Word Search and Scramble Activity<br>The Scientific Method Crossword Puzzle Activity              |                                                                                              |  |
| Characteristics of Living Things – 3 days                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 1                                                                                    | <ul style="list-style-type: none"><li>How living things are grouped</li><li>Taxonomy</li><li>Naming Organisms</li><li>The 6 Kingdoms</li><li>Dichotomous Key</li><li>Hands-on review activity</li></ul>                                                                                                                                                    | Classification of Living Things Lesson                                                                                  | HS-LS4-1<br>HS-LS4-2<br>HS-LS4-3<br>HS-LS4-4                                                 |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Classification of Living Things – A Digital Scavenger Hunt Activity                                                     |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | The Classification of Living Things – 7 Engaging Lab Station Activities                                                 |                                                                                              |  |
| Assessment(s): There are multiple assessments included throughout this unit.         |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| UNIT TEST                                                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| UNIT 2 – Cell Biology 29 DAYS TOTAL                                                  |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| The Cell Theory – 3 days                                                             |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 1                                                                                    | <ul style="list-style-type: none"><li>Cell Facts</li><li>The History of cell discovery</li><li>The initial and modern-day cell theory</li><li>A comparison between Prokaryotes and Eukaryotes</li></ul>                                                                                                                                                    | The Cell Theory – Google Slides and PowerPoint Lesson<br>Cell Theory Exit Ticket and Review Activity                    | HS-LS1-1<br>HS-LS1-2<br>HS-LS1-3<br>HS-LS1-4                                                 |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cells and the Cell Theory – 7 Engaging Lab Station Activities                                                           |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cells and the Cell Theory – A Device-Based Scavenger Hunt Activity                                                      |                                                                                              |  |
| Assessment(s): There are multiple assessments included throughout this unit portion. |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Cell Structure and Function – 6 days                                                 |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 2                                                                                    | <ul style="list-style-type: none"><li>Function of cells</li><li>What cells are</li><li>Main cell components</li><li>Diagrams</li><li>Cytoplasm</li><li>Cell Membrane</li><li>Nucleus</li><li>Mitochondria</li><li>Endoplasmic Reticulum (ER)</li><li>Golgi Bodies</li><li>Vacuoles</li><li>Chloroplasts</li><li>Photosynthesis</li><li>Cell Wall</li></ul> | Cell Structure and Function – Google Slides and PowerPoint Lesson<br>Cell Structure Exit Ticket and Review Activity     | HS-LS1-1<br>HS-LS1-2<br>HS-LS1-3<br>HS-LS1-4<br>HS-LS1-5<br>HS-LS1-6<br>HS-LS1-7<br>HS-LS2-5 |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cells and Organelles Crossword Puzzle Activity or Cells and Cell Organelles BINGO – Science BINGO Activity              |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cellular Organelles – Cell Organelle Structure and Function Lab Station Activity                                        |                                                                                              |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cell Organelles Card Matching Activity                                                                                  |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cell Organelles – Device-Based Scavenger Hunt Activity                                                                  |                                                                                              |  |
| Assessment(s): There are multiple assessments included throughout this unit portion. |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| UNIT 3 – Cell Processes 24 – 25 DAYS TOTAL                                           |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Photosynthesis – 7-8 days                                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 2                                                                                    | <ul style="list-style-type: none"><li>Earth's Energy Budget</li><li>Photosynthesis Introduction</li><li>Pigments</li><li>Why Plants are Green</li><li>Light</li><li>Chlorophyll a &amp; b</li><li>Carotenoids</li><li>Why Some Leaves Change Color in the Fall</li><li>Photosynthesis and Life</li></ul>                                                   | Photosynthesis Lesson                                                                                                   | HS-LS1-5<br>HS-LS1-6<br>HS-LS1-7<br>HS-LS2-6<br>HS-LS2-8                                     |  |
| 2-3                                                                                  | Project                                                                                                                                                                                                                                                                                                                                                    | Photosynthesis Comic Book Assignment or Photosynthesis Infographic Assignment                                           |                                                                                              |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Photosynthesis – Reading Comprehension Article                                                                          |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Photosynthesis and Cellular Respiration – Device-Based Scavenger Hunt Activity                                          |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Photosynthesis – 7 Engaging Lab Stations                                                                                |                                                                                              |  |
| UNIT 4 – Human Body Systems 28 DAYS TOTAL                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Digestive System – 5 days                                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 2                                                                                    | <ul style="list-style-type: none"><li>Why do we have a digestive system?</li><li>Main Components</li><li>Digestive Enzymes</li><li>Chemical and Mechanical Digestion</li></ul>                                                                                                                                                                             | Human Digestive System – Google Slides and PowerPoint Digestion Lesson<br>Human Digestive System Exit Ticket and Review | HS-LS1-2<br>HS-LS1-3<br>HS-LS1-6<br>HS-LS1-7                                                 |  |
| Circulatory System – 6 days                                                          |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 3                                                                                    | <ul style="list-style-type: none"><li>Blood circulation</li><li>Pulmonary circulation</li><li>Systemic circulation</li><li>Blood vessels</li><li>Red vs. Blue blood</li><li>Arteries, veins, and capillaries</li><li>The blood and blood cells</li><li>The heart</li></ul>                                                                                 | Circulatory System – Google Slides and PowerPoint Lesson<br>Circulatory System Exit Ticket and Review Activity          | HS-LS1-2<br>HS-LS1-3<br>HS-LS1-4<br>HS-LS1-7                                                 |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cells and Organelles Crossword Puzzle Activity or Cells and Cell Organelles BINGO – Science BINGO Activity              |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cellular Organelles – Cell Organelle Structure and Function Lab Station Activity                                        |                                                                                              |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cell Organelles Card Matching Activity                                                                                  |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cell Organelles – Device-Based Scavenger Hunt Activity                                                                  |                                                                                              |  |
| Assessment(s): There are multiple assessments included throughout this unit portion. |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| UNIT 5 – Human Body Systems 28 DAYS TOTAL                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Nervous System – 4 days                                                              |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 1                                                                                    | <ul style="list-style-type: none"><li>Neural Transmission</li><li>Potential Difference</li><li>Resting Potential, Depolarization, Action Potential, Repolarization</li><li>Membrane Channels</li><li>Sodium/Potassium Pump</li><li>Synaptic Transmission</li><li>Neurotransmitters – Types of Functions</li><li>Synapse Inhibition</li></ul>               | The Nervous System Lesson – Signal Transmission – Google Slides & Distance Learning                                     | HS-LS1-2<br>HS-LS1-3<br>HS-LS1-4<br>HS-LS1-7                                                 |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cells and Organelles Crossword Puzzle Activity or Cells and Cell Organelles BINGO – Science BINGO Activity              |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cellular Organelles – Cell Organelle Structure and Function Lab Station Activity                                        |                                                                                              |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cell Organelles Card Matching Activity                                                                                  |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cell Organelles – Device-Based Scavenger Hunt Activity                                                                  |                                                                                              |  |
| Assessment(s): There are multiple assessments included throughout this unit portion. |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| UNIT 6 – Human Body Systems 28 DAYS TOTAL                                            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Respiratory System – 3 days                                                          |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |
| Number of Day(s)                                                                     | Course Content                                                                                                                                                                                                                                                                                                                                             | Teaching Resources                                                                                                      | NGSS                                                                                         |  |
| 1                                                                                    | <ul style="list-style-type: none"><li>Breathing</li><li>Diaphragm</li><li>Lungs</li><li>Trachea</li><li>Alveoli</li><li>Capillaries</li><li>Gas Exchange</li></ul>                                                                                                                                                                                         | The Respiratory System Lesson – Signal Transmission – Google Slides & Distance Learning                                 | HS-LS1-2<br>HS-LS1-3<br>HS-LS1-4<br>HS-LS1-7                                                 |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cells and Organelles Crossword Puzzle Activity or Cells and Cell Organelles BINGO – Science BINGO Activity              |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cellular Organelles – Cell Organelle Structure and Function Lab Station Activity                                        |                                                                                              |  |
| 1                                                                                    | Review activity                                                                                                                                                                                                                                                                                                                                            | Cell Organelles Card Matching Activity                                                                                  |                                                                                              |  |
| 1                                                                                    | Hands-on review activity                                                                                                                                                                                                                                                                                                                                   | Cell Organelles – Device-Based Scavenger Hunt Activity                                                                  |                                                                                              |  |
| Assessment(s): There are multiple assessments included throughout this unit portion. |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                                                              |  |

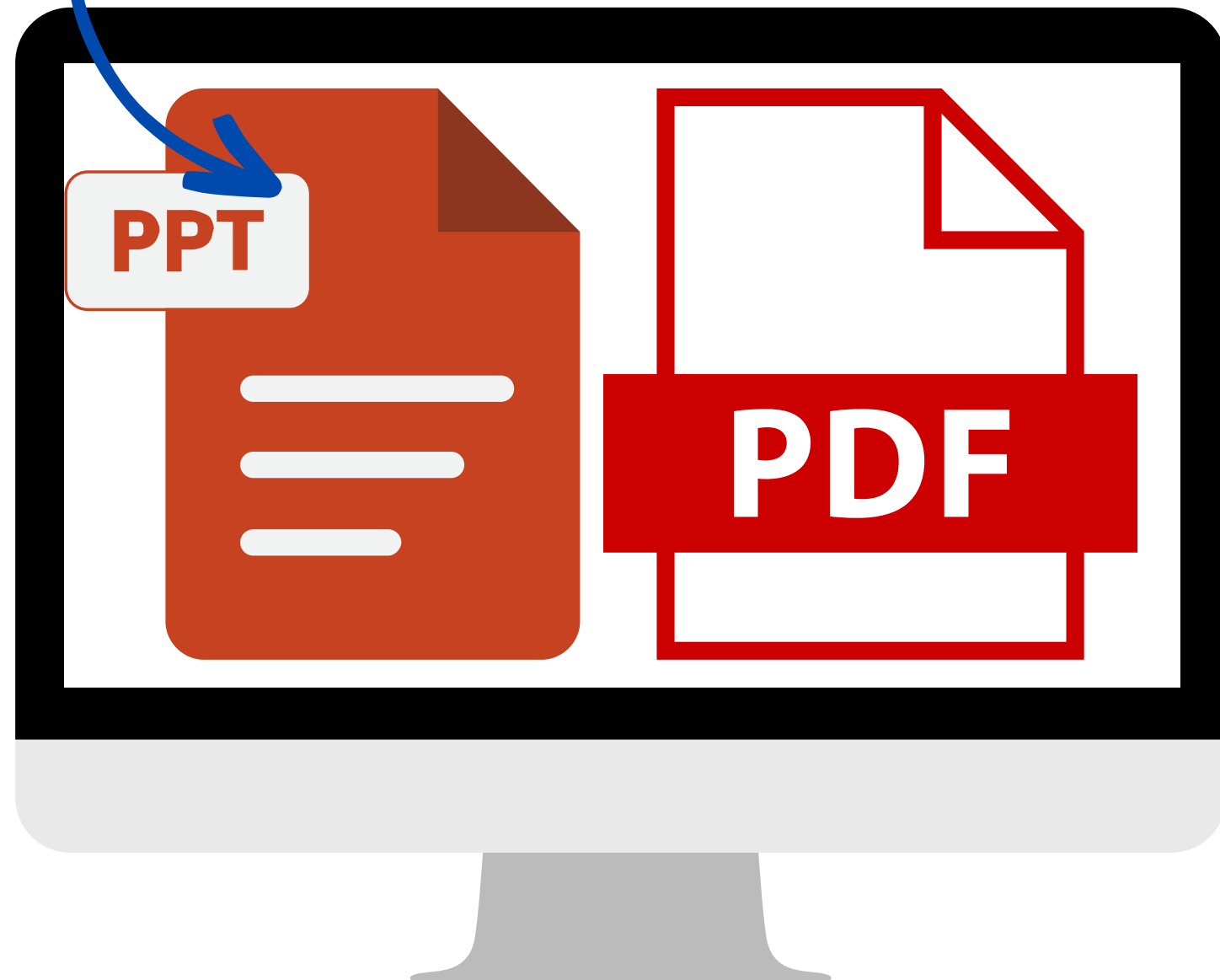
# Biology Curriculum

Office, Google,  
and PDF Versions

Interactive and  
engaging



Upload everything directly  
to your Google Classroom



Fully Editable

# 8 Complete Units

Get all 8  
& Save!

## Introduction to Biology

### Complete Unit

- Scientific Method
- Characteristics of Living Things
- Lesson & Engaging Activities
- Daily Teaching Schedule



## Cell Biology

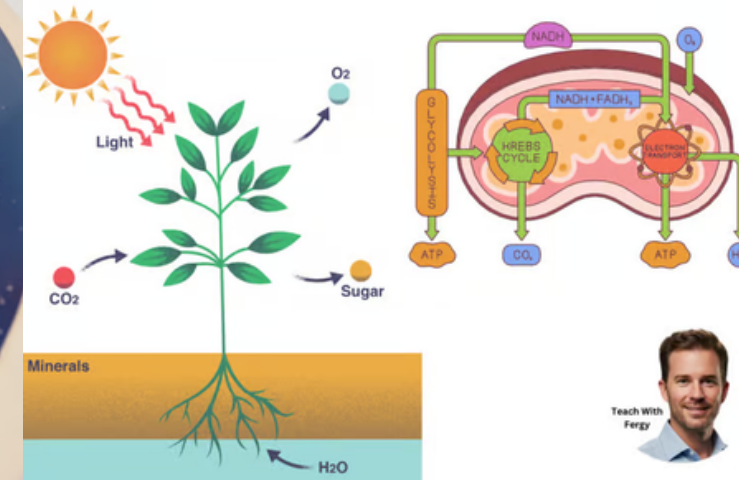
### Complete Unit

- Cell Theory, Structure and Function, Cell Division
- Lesson & Engaging Activities
- Daily Teaching Schedule



## Cell Processes

- Photosynthesis and Cellular Respiration
- Lesson & Engaging Activities
- Daily Teaching Schedule



## Human Body Systems Unit

- Digestive, Circulatory, Respiratory, Nervous Systems
- Lesson & Engaging Activities
- Daily Teaching Schedule



## Evolution Unit

- Natural Selection, Evidence for Evolution, Speciation
- Lesson & Engaging Activities
- Daily Teaching Schedule



## Genetics Unit

- Covers: Genetic Materials, Mendelian Genetics and Inheritance Patterns
- Lesson & Engaging Activities
- Daily Teaching Schedule



## Ecology and Ecosystems Unit

- Covers: Ecosystems, Biomes, Energy Flow in Ecosystems, Food Webs, Biodiversity, and Invasive Species
- Lesson & Engaging Activities
- Daily Teaching Schedule



## Climate Change Unit

- Covers: Weather, Climate, Greenhouse Effect, Atmosphere, and the Carbon Cycle
- Lesson & Engaging Activities
- Daily Teaching Schedule



# Biology Curriculum

- ✓ **Full-Year Biology Curriculum: Covers 8 comprehensive units including Cells, Genetics, Evolution, Ecology, and Climate Change**
- ✓ **No-Prep Lessons and Assessments: Includes presentations, activities, labs, projects, and auto-graded exit tickets**
- ✓ **Interactive and Differentiated Resources: Bell ringers, Boom Cards, scavenger hunts, and video companion worksheets**
- ✓ **Teacher and Student Versions Included: Keep students focused with fill-in-the-blank guided notes throughout every lesson**

## Who's It For?

- **High School Biology Teachers**
- **Teachers using NGSS**
- **Teachers who want to increase their student's engagement and retention**
- **Teachers not looking to reinvent the wheel**

