

Instructional Plan

**Biology**

| Six Weeks            | Dates                                                                                         | Unit                                       | Required Labs                                                                                               | Unit Test TEKS and Date                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>1st six weeks</b> | <b>Fall</b><br>8/12 - 8/14 - <b>3</b> Days<br><b>Spring</b><br>1/6 - 1/7 - <b>2</b> Days      | Unit 1: Introduction to Biology and Safety | Lab Safety Scavenger Hunt (all)<br>First-Aid/CPR Activity/Stop the Bleed Course (Fall)                      | <b>BOY</b><br><b>Dates:</b><br><b>Fall</b> - 8/17<br><b>Spring</b> - 1/11<br><br><b>Unit Test 1</b><br>5ABD, 6ABC |
|                      | <b>Fall -</b><br>8/18 - 9/28 - <b>8</b> Days<br><b>Spring -</b><br>1/8 - 1/21 - <b>9</b> Days | Unit 2: Building Days of Cells & Viruses   | Cells Mystery Microscope Lab                                                                                |                                                                                                                   |
|                      | <b>Fall</b><br>9/31 - 9/9 - <b>5</b> Days<br><b>Spring</b><br>1/22 - 1/28 - <b>6</b> Days     | Unit 3: Cell Cycle                         | Explore LAB: Diffusion in Agar Cells (all)<br>LAB: Phases of the Cell Cycle - Advanced                      | <b>Dates:</b><br><b>Fall</b> - 9/10<br><b>Spring</b> - 1/29                                                       |
|                      | <b>Fall</b><br>9/11 - 9/21 - <b>5</b> Days<br><b>Spring</b><br>2/1 - 2/5 - <b>6</b> Days      | Unit 4: Animal Systems Interactions        | LAB: Investigating Enzymes                                                                                  | <b>Unit Test 2</b><br>11AB, 12AB, 7ABC<br><br><b>Dates:</b><br><b>Fall</b> - 10/8<br><b>Spring</b> - 2/25         |
| <b>2nd six weeks</b> | <b>Fall</b><br>9/22 - 9/29 - <b>5</b> Days<br><b>Spring</b><br>2/8 - 2/16 - <b>6</b> Days     | Unit 5: Plant Systems Interactions         | LAB: Flower Dissection                                                                                      |                                                                                                                   |
|                      | <b>Fall</b><br>9/30 - 10/7 - <b>6</b> Days<br><b>Spring</b><br>2/17 - 2/24 - <b>6</b> Days    | Unit 6: The Genetic Code & Changes         | Edible DNA Model                                                                                            |                                                                                                                   |
|                      | <b>Fall</b><br>10/14 - 10/27 - <b>6</b> Days<br><b>Spring</b><br>2/26 - 3/17 - <b>9</b> Days  | Unit 7: Genetics                           | Explore - Genetics Simulation<br>LAB: Inheritance - ABO Blood Typing - Advanced                             | <b>Mock EOC District Assessment</b><br><br><b>Fall</b> - 10/28<br><b>Spring</b> - 3/18                            |
| <b>3rd six weeks</b> | <b>Fall</b><br>10/30 - 11/11 - <b>7</b> Days<br><b>Spring</b><br>3/19 - 3/30 - <b>6</b> Days  | Unit 8: Evolution                          | LAB: Examining the Fossil Record<br>LAB: M&M - Other Mechanisms of Evolution                                |                                                                                                                   |
|                      | <b>Fall</b><br>11/12 - 11/18 - <b>5</b> Days<br><b>Spring</b><br>3/31 - 4/7 - <b>5</b> Days   | Unit 9: Ecology                            | Mini-LAB: Tracing Toxins Through the Food Chain or<br>LAB: Hidden Dangers in Food Webs                      | <b>Biology STAAR EOC</b><br><br><b>Fall</b> - 12/3<br><b>Spring</b> - 4/15                                        |
|                      | <b>Fall</b><br>11/19 - 12/2 - <b>3</b> Days<br><b>Spring</b><br>4/8 - 4/14 - <b>5</b> Days    | <b>EOC Review</b>                          |                                                                                                             |                                                                                                                   |
|                      | <b>Fall</b><br>12/4 - <b>1</b> Day<br><b>Spring</b><br>4/16 - 4/23 - <b>5</b> Days            | Unit 10: Health and Wellness               | First-Aid/CPR Activity<br>Stop the Bleed Course                                                             |                                                                                                                   |
|                      | <b>Fall</b><br>12/7 - <b>1</b> Days<br><b>Spring</b><br>4/26 - 4/30 - <b>5</b> Days           | Unit 11: Cell Transport                    | LAB: The Dead Sea Experiment (On level - Observational)<br>LAB: Dead Sea (Advanced - Inquiry - Spring Only) |                                                                                                                   |
|                      | <b>Fall</b><br>12/9 - <b>1</b> Day<br><b>Spring</b><br>5/3 - 5/10 - <b>6</b> Days             | Unit 12: DNA Technology                    | LAB: DNA Extraction                                                                                         |                                                                                                                   |
|                      | <b>Fall Finals:</b> Dec. 10-18<br><b>Spring Finals:</b> May 13-21                             |                                            |                                                                                                             |                                                                                                                   |

**Dates Subject to Change (Updated 5/11/26)**

Instructional Plan

**Biology**