<table>
<thead>
<tr>
<th>Unit</th>
<th>Length of Time in Weeks</th>
<th>Concepts &amp; Competencies</th>
<th>Common Assessments</th>
<th>Academic Standards (PA Core if applicable)</th>
</tr>
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</table>
| 1    | 4                       | **Water Ecology** Students will describe human impact on water ecosystems and assess inorganic and organic properties of freshwater ecology. | ➢ Freshwater Chemical Analysis  
➢ Macroinvertebrate Analysis  
3.1.12.A2  
3.1.12.A8  
4.1.12.C  
4.2.12.A  
4.4.12.A |
| 2    | 5                       | **Muscular, Skeletal, and Integumentary Systems** Students will describe the structure and function of the muscular, skeletal, and integumentary systems and explain common disorders of human body systems. | ➢ Bone Quiz  
➢ Chicken Leg Dissection  
➢ Muscular, Skeletal, and Integumentary Test | 3.1.12.A5  
3.1.12.A6 |
| 3    | 4                       | **Circulatory and Respiratory Systems** Students will describe the structure and function of the circulatory and respiratory systems and explain common disorders of human body systems. | ➢ Heart Dissection  
➢ Heart Structure Quiz  
➢ Circulatory and Respiratory Test | 3.1.12.A5  
3.1.12.A6 |
| 4    | 4                       | **Digestive and Excretory Systems** Students will describe the structure and function of the digestive and excretory systems and explain common disorders of human body systems. | ➢ Fetal Pig Dissection  
➢ Digestive and Excretory Test | 3.1.12.A5  
3.1.12.A6  
3.1.12.A7  
3.1.12.B5 |
| 5    | 3                       | **Nervous System** Students will describe the structure and function of the nervous system and explain common disorders of human body systems. | ➢ Brain Dissection  
➢ Eye Dissection  
➢ Brain Quiz  
➢ Nervous System Test | 3.1.12.A5  
3.1.12.A6 |
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<tbody>
<tr>
<td>Unit 9</td>
<td><strong>Field Ecology</strong></td>
<td>Students will use field guides to identify flora and explain important characteristics and uses of flora.</td>
<td>Field Activity</td>
<td>Field Research</td>
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