

Name: Langteau		Grading Quarter: 2	Week Beginning: Week 10
School Year: 2024-2025		Subject: Biology	
Monday	Notes:	Objective:  No School- PD  Lesson Overview:	Academic Standards:
	Tuesday	Notes:	Academic Standards:
		Objective:  Cells and Microscopes Students will explore the discovery of cells, the development of cell theory, and understand how microscopes contributed to this breakthrough.  Lesson Overview: <b>Activity Outline:</b> <b>Introduction to Cell Theory and Key Scientists</b> <b>Microscopes and Their Role in Biology</b> Guided worksheet: Identify differences between prokaryotic and eukaryotic cells, including a quick comparison chart. <b>Wrap-Up Discussion</b> Engage students in discussing how these discoveries changed our understanding of life and how microscopy still advances biology today.	
Wednesday	Notes:	Objective: Students will explore the basic structure and function of cells.  Lesson Overview: Review the two main types of cells: prokaryotic and eukaryotic. <ul style="list-style-type: none"> <li>• Use diagrams to explain key components like the nucleus, cytoplasm, and cell membrane.</li> <li>• Group work: Have students compare and contrast prokaryotic and eukaryotic cells in small groups.</li> </ul> <b>Takeaway:</b> <ul style="list-style-type: none"> <li>• Cells can be classified into two types: prokaryotic (no nucleus) and eukaryotic (with nucleus).</li> <li>• Cells contain specific structures that allow them to function.</li> </ul>	Academic Standards:

Thursday	Notes:	<p>Objective:</p> <p>Specialized Cells and Organelles</p> <p>Students will explore the function of different organelles and understand the specialization of cells.</p> <p>Lesson Overview:</p> <ul style="list-style-type: none"> <li>-Introduction to Organelles</li> <li>-Cell Specialization</li> <li>-Interactive Activity: Organelle Function Match</li> </ul> <p><b>Key Takeaways:</b></p> <ul style="list-style-type: none"> <li>• Students should understand the functions of major organelles and how specialized cells different structures have to perform specific functions.</li> </ul>	Academic Standards:
Friday	Notes:	<p>Objective:</p> <p>Students will review cell theory, microscopes, and cells.</p> <p>Lesson Overview:</p> <ul style="list-style-type: none"> <li>-Review Sheet</li> </ul> <p><b>Hands-On Activity: Microscopic Observation</b></p> <p>Students will observe plant and animal cells under microscopes and identify key structures (nucleus, membrane, cytoplasm).</p> <ol style="list-style-type: none"> <li>a. Guided worksheet: Identify differences between prokaryotic and eukaryotic cells, including a quick comparison chart.</li> </ol>	Academic Standards: