

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:	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: Activity Outline: Introduction to Cell Theory and Key Scientists Microscopes and Their Role in Biology Guided worksheet: Identify differences between prokaryotic and eukaryotic cells, including a quick comparison chart. Wrap-Up Discussion 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"> • Use diagrams to explain key components like the nucleus, cytoplasm, and cell membrane. • Group work: Have students compare and contrast prokaryotic and eukaryotic cells in small groups. Takeaway: <ul style="list-style-type: none"> • Cells can be classified into two types: prokaryotic (no nucleus) and eukaryotic (with nucleus). • Cells contain specific structures that allow them to function. 	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"> -Introduction to Organelles -Cell Specialization -Interactive Activity: Organelle Function Match <p>Key Takeaways:</p> <ul style="list-style-type: none"> • Students should understand the functions of major organelles and how specialized cells different structures have to perform specific functions. 	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"> -Review Sheet <p>Hands-On Activity: Microscopic Observation</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"> Guided worksheet: Identify differences between prokaryotic and eukaryotic cells, including a quick comparison chart. 	Academic Standards: