

Lesson Plan Template

Day 2

Grade: High School		Subject: Biology	
Materials: Book, notebook, possible coloring supplies		Technology Needed: computer	
Instructional Strategies: <ul style="list-style-type: none"> <input type="checkbox"/> Direct instruction <input type="checkbox"/> Guided practice <input type="checkbox"/> Socratic Seminar <input type="checkbox"/> Learning Centers <input type="checkbox"/> Lecture <input type="checkbox"/> Technology integration <input type="checkbox"/> Other (list) 		Guided Practices and Concrete Application: <ul style="list-style-type: none"> <input type="checkbox"/> Large group activity <input type="checkbox"/> Independent activity <input type="checkbox"/> Pairing/collaboration <input type="checkbox"/> Simulations/Scenarios <input type="checkbox"/> Other (list) Explain:	
Standard(s) HS-LS1-2 Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms.		Differentiation Below Proficiency: Above Proficiency: Approaching/Emerging Proficiency: Modalities/Learning Preferences:	
Objective(s) Students will be able to identify what makes a cell a cell. Students will be able to compare and contrast eukaryotic cells and prokaryotic cells. Students will be able to identify the different organelles of animal cells.			
Bloom's Taxonomy Cognitive Level:			
Classroom Management- (grouping(s), movement/transitions, etc.) When students are creating their venn diagram they can work with partners, each creating their own.		Behavior Expectations- (systems, strategies, procedures specific to the lesson, rules and expectations, etc.)	
Minutes	Procedures		
	Set-up/Prep:		
5	Engage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.) Bell work: What are examples of single celled organisms? What is an example of a multicellular organism? After the answers are handed, discuss what the students came up with, and give examples for each.		
35	Explain: (concepts, procedures, vocabulary, etc.) Eukaryotic vs. prokaryotic cells Show students how to make 2 column notes. This will be the strategy for note taking in this unit. See Appendix for table example.		

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	<p>Compare and contrast eukaryotic cells and prokaryotic cells Membrane bound organelles Nucleus</p> <p>Do guided notes on prokaryotes vs. eukaryotes</p> <p>Define prokaryotic- before nucleus (Greek) What is found in prokaryotic cells? Provide organelles and their function. Ribosomes, Plasma membrane, Cytoplasm, Genetic material (DNA and RNA) Flagellum, Pilus, Capsule, Cell wall</p> <p>Show picture of prokaryotic cell</p> <p>Define eukaryotic- having a nucleus and membrane bound organelles</p> <p>What are the two types of eukaryotic cells?</p> <p>Show picture of animal and plant cell</p> <p>Start venn diagram project</p>
<p align="center">10</p>	<p>Explore: (independent, concrete practice/application with relevant learning task -connections from content to real-life experiences, reflective questions- probing or clarifying questions)</p> <p>Students will be creating a venn diagram outline to be filled out at the end of the day. We will take the last 10 minutes to start filling this out. Students can reference their 2 column notes.</p>
	<p>Review (wrap up and transition to next activity):</p>
<p>Formative Assessment: (linked to objectives) Progress monitoring throughout lesson- clarifying questions, check-in strategies, etc.</p> <p>questions during the lesson</p> <p>Consideration for Back-up Plan:</p>	<p>Summative Assessment (linked back to objectives) End of lesson:</p> <p>Venn diagram</p> <p>If applicable- overall unit, chapter, concept, etc.:</p>
<p>Reflection (What went well? What did the students learn? How do you know? What changes would you make?):</p>	

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Appendix

2 column notes. This can be created in their notebooks. Simply create 2 columns, one will be slightly wider than the other. The left side will contain 2-word phrases, question, or page number. The right side will contain definitions, examples, why you thought something was important.

Prokaryotic cell	
Eukaryotic Cell	
Cytoplasm	
What does it mean to be membrane bound?	
What characteristics are shared by most cells?	
Domain	
Kingdom	
Archaeobacteria	
Eubacteria	
Fungi	
Protista	
Plantae	
Animalia	