Lesson Plan Template

Day 3

Grade: High School	**Subject: Biology**
Materials: Book, notebook, possible coloring supplies	**Technology Needed: computer**
Instructional Strategies: □ Direct instruction □ Guided practice □ Socratic Seminar □ Learning Centers □ Lecture □ Technology integration □ Other (list) □ Peer teaching/collaboration/ cooperative learning □ Visuals/Graphic organizers □ PBL □ Discussion/Debate □ Modeling	**Guided Practices and Concrete Application:** □ Large group activity □ Independent activity □ Pairing/collaboration □ Simulations/Scenarios □ Other (list) □ Hands-on □ Technology integration □ Imitation/Repeat/Mimic 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.) Students will be able to work with partners to create their venn diagrams after the direct instruction.	**Behavior Expectations- (systems, strategies, procedures specific to the lesson, rules and expectations, etc.)**

Minutes	**Procedures**
	Set-up/Prep:
3	**Engage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.)** **Bell work (review from yesterday's lesson):** What is the difference between prokaryotic cells and eukaryotic cells?
20-25	**Explain: (concepts, procedures, vocabulary, etc.)** Today we will finish notes on prokaryotes and eukaryotes. Go over different domains and kingdoms What is included in each of them and what make each unique. Domain, Kingdom, Phylum, Class, Order, Family, Genus, Species

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	Domains (3) Prokaryotic- Archaea and Bacteria Eukaryotic – Eukarya (all eukaryotic cells) Kingdoms (6) Archaebacteria – single celled, most recent addition, found in extreme environments (saline, acidic, anaerobic) Eubacteria – single celled, most bacteria in world, Streptococci, yogurt, vitamins, antibiotics Fungi- multicellular, mushrooms, mold, mildew, yeasts Protista- single celled, more complex than bacteria, any microscopic organism that doesn't fit in any other kingdom is placed here Plants- flowering plants, ferns, and mosses, create their own food (photosynthesis), second largest Animals- largest kingdom, complex and range from sponges to lions, heterotrophs (cant make their own food, but eat other organisms) Allow the remainder of class time for completion of venn diagram.
20	**Explore: (independent, concreate practice/application with relevant learning task -connections from content to real-life experiences, reflective questions- probing or clarifying questions)** After the guided notes are finished students will have the remainder of the class period to finish their venn diagram. They can add pictures, descriptions, definitions, examples. This will be handed in at the end of the class.
	Review (wrap up and transition to next activity):

Formative Assessment: (linked to objectives) **Progress monitoring throughout lesson- clarifying questions, check-in strategies, etc.** **Consideration for Back-up Plan:**	**Summative Assessment (linked back to objectives)** **End of lesson:** venn diagram **If applicable- overall unit, chapter, concept, etc.:**

Reflection (What went well? What did the students learn? How do you know? What changes would you make?):

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Appendix

Continuation of 2-column notes from Day 2.

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