

WEEKLY LESSON PLANS

Teacher: Mora

Course: Honors Biology

Periods: 1, 3, 5, 7

Week of: 10/19/20

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
<u>Unit Learning Goal</u>	Students will be able to compare and contrast prokaryotic cells with plant and animal eukaryotic cells. They will be able to describe how the structure of an organelle relates to its function, and how the structure of the cell membrane contributes to overall cell function.				
<u>Daily Learning Goal</u>	Explain the role of cell membranes as a highly selective barrier (passive and active transport).	Compare and contrast the different types of bulk transport: endocytosis and exocytosis.	Predict the direction of osmosis and the effect on cell size when cells are in solutions of different solute concentration.	Analyze results from a diffusion experiment to determine membrane permeability.	Perform and evaluate an experiment involving osmosis in living tissue.
<u>Standards</u>	SC. 912.L.14.2	SC. 912.L.14.2	SC. 912.L.14.2	SC. 912.L.14.2	SC.912.L.14.2
<u>Activities</u>	<p>Top part of 8.3 notes together as class</p> <p>Go over models 1 and 2 of the membrane transport POGIL from Friday</p> <p>Explore the diffusion gizmo and answer questions on a google form</p>	<p>Fill out the passive and active transport chart on 8.3 notes together as class</p> <p>Watch animations to help visual these processes</p> <p>Go over models 3 and 4 on the POGIL</p>	<p>Fill out the osmosis part on the 8.3 notes.</p> <p>GIZMO osmosis handbook</p>	<p><u>Day 1 virtual labs:</u> Explore membrane permeability using dialysis bag and solutions with iodine and starch.</p> <p>Explore plasmolysis in elodea cells</p> <p>Osmosis edpuzzle</p>	<p><u>Day 2 virtual labs:</u> Potato cores in hypertonic and hypotonic solutions to observe osmosis in plant cells</p> <p>Practice problems applying this information.</p>
<u>Homework</u>	Finish the diffusion gizmo google form	Cell transport edpuzzle – due Wednesday night 11:59		If you didn't finish the work in class, it is homework	Unit TEST THURSDAY!! Study over the weekend.