

WEEKLY LESSON PLANS

Teacher: Mora

Course: AP Biology

Periods: 2, 6

Week of: 09/21/20

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
<u>Unit Learning Goal</u>	The student is able to describe how living systems are organized in a hierarchy of structural levels that interact and construct explanations of the mechanisms and structural features of cells that allow organisms to capture, store, and use free energy.				
<u>Daily Learning Goal</u>	Explain the effect of surface area-to-volume ratios on the exchange of materials between cells or organisms and the environment.	Relate structure to function for the components of plant and animal cells, compare these eukaryotic cells to features of prokaryotic cells	Describe the roles of each of the components of the cell membrane in maintaining the internal environment of the cell.	Construct models that connect the movement of molecules across membranes with membrane structure and function	Describe the mechanisms that organisms use to transport large molecules across the membrane.
<u>LOs identified in AP Bio CED</u>	2.3	2.1 2.2	2.4	2.5	2.6 2.7
<u>Activities</u>	<u>Start Unit 2: Cells</u> Part 1 notes: Prokaryotic vs eukaryotic, surface area to volume ratio, endomembrane system	Use homework to do the organelle matching on google classroom Add some more detail to functions in notes Do the ATC and the questions and FRQ	Part 2 notes: Look at diagrams of cell walls and membranes Data analysis ATC and Investigation in notes	Part 3 notes: Selective permeability, passive transport, Osmosis Go over SA/V sheet	Finish Part 3 notes: Facilitated diffusion, active transport and bulk transport
<u>Homework</u>	Write brief function on organelle sheet, label the figures too (pgs. 80&81 – 95 for info)	Mastering biology assignment – organelles	Do the SA/V sheet that is in your notes Text: pg 96-99	Homework due Sunday 11:59 pm: Edpuzzles: Bozeman 015 Cell Membranes Mastering Biology: membrane transport Text: Pg 104-111	