

## ARC Week at Glance: AP/IB Biology (Ms. West)

**Topic:** Unit 2: Cell Membranes & Transport    **Course:** AP/IB Biology    **Grade:** 10, 11, 12    **Dates:** Sept 29 – Oct 3

Note: For lesson resources, handouts, etc., please see our Canvas Course.

**This week's Homework Focus:** Cell Membrane Summative Task

	Learning Target (I am learning about...)	Criteria for Success (I can...)	Activation/ Instruction	Collaboration/ Guided Practice	Independent Learning/ Assessment
			<i>(Include at least one/two formatives*in any part of the lesson as needed)</i>		
<b>Monday</b>	I am learning about cell membrane fluidity and transport	I can ... <ul style="list-style-type: none"> <li>Model various properties of the cell membrane to explain fluidity, polarity, transport mechanisms, and gap junctions</li> </ul>	Math Monday Do Now – AP Formula Calculations Practice	Cell Membrane Bubble Lab Data Collection & Conclusion Writing – Day 2	Cell Structure Assessment Check
<b>Tuesday</b>	I am learning about cell membrane structure and function	I can <ul style="list-style-type: none"> <li>Explain the structure and function of the cell membrane through work products of my choice</li> </ul>	Test Prep Tuesday Do Now – CER writing practice question	Cell Membrane Choice Board Work Period  ** Class relocated to media center	Cell Membrane Choice Board Rubric Self-Assessment

<b>Wednesday</b>	I am learning about active and passive transport	I can <ul style="list-style-type: none"> <li>Predict the impact on a cell a hypertonic, hypotonic, and isotonic solution has</li> <li>Collect and analyze data to explain osmolarity in cells</li> </ul>	WIS WIM Do Now – <b>Summarizing Sentences &amp; Question Writing</b>	Orbeez Osmolarity Lab Investigation Day 1 – initial measurements recorded, systems set up to run overnight  Active and Passive Transport <b>Venn Diagrams</b>  Complete Bubble Lab Data Collection – 2 <sup>nd</sup> & 5 <sup>th</sup> Periods	<b>Cell Membrane Bubble Lab Assessment Check</b>  Orbeez Osmolarity Lab Predictions
<b>Thursday</b>	I am learning about active and passive transport	I can <ul style="list-style-type: none"> <li>Predict the impact on a cell a hypertonic, hypotonic, and isotonic solution has</li> <li>Collect and analyze data to explain osmolarity in cells</li> </ul>	Throwback Thursday Do Now – MCQ and <b>justification writing</b>	Orbeez Osmolarity Lab Investigation Day 2 – measurements recorded, data analysis & conclusions  Summative Task Work Time – Active and Passive Transport Graphic Organizers	Orbeez Osmolarity <b>Lab Conclusions</b>
<b>Friday</b>	I am conducting my Science Fair Investigation	I can <ul style="list-style-type: none"> <li>Collect and analyze data to answer my research question</li> <li>Present my findings in a formal report and PowerPoint presentation</li> </ul>	FRQ Friday Do Now – <b>Free Response Answer Construction, Self-Assessment, and Revision</b>	Summative Task Work Time – Active and Passive Transport Graphic Organizers	<b>Cell Membrane Projects Choice Board Summative Tasks</b>

**Literacy Tasks**

**Minor Assessment**

**Major Assessment**