

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

**Topic:** Structure and Function of Molecular Genetics

**Course:** Biology

**Grade:** 10

**Dates:** Nov 18-22

	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 organelles.	I can <ul style="list-style-type: none"> <li>Distinguish between prokaryotic and eukaryotic cells</li> <li>Distinguish between plant and animal cells</li> </ul> Identify cell structures and state their functions	Math Monday Do Now – Calculations/Data Analysis Practice  Science Fair Expectation Reminders	Cell Types Stations – Venn Diagrams, Coloring structures, Identifying functions, Impacts on cells when nutrient deficient jigsaw	TOTD: Who am I – cell structures/descriptions formative checks  Cells Assessment Check
<b>Tuesday</b>	I am learning about cell membranes.	I can <ul style="list-style-type: none"> <li>Describe the fluid mosaic model</li> <li>Explain how the cell membrane maintains homeostasis in cell</li> <li>Distinguish between active and passive transport</li> </ul>	Test Prep Tuesday Do Now – CER writing  Cell Membrane Structure & Function Mini Lesson	Types of Transport Frayer Models: Osmosis, Diffusion, Facilitated Diffusion, Protein Pumps, Endocytosis, Exocytosis	TOTD: Active vs Passive Transport Turn and Talk

Wednesday	I am learning about osmolarity.	I can <ul style="list-style-type: none"> <li>Predict what happens to a cell in hypotonic, hypertonic, and isotonic solutions.</li> </ul>	WIS WIM Wednesday – summarizing information & writing questions	Gummy Bear Osmosis Lab Investigation – Day 1 data & Predictions  SF Work Time	Writing Lab prediction justifications
Thursday	I am learning about osmolarity.	I can <ul style="list-style-type: none"> <li>Predict what happens to a cell in hypotonic, hypertonic, and isotonic solutions.</li> <li>Write a CER using lab data</li> </ul>	Throwback Thursday Do Now: Multiple Choice Question with Justification Writing	Gummy Bear Osmosis Lab Investigation – Day 2 data & conclusions  SF Work Time	Writing Lab Conclusions
Friday	I am learning about cell membranes.	I can <ul style="list-style-type: none"> <li>Explain how the structure of the cell membrane supports its functions</li> </ul>	FRQ Friday Do Now: Free Response Question Answer Construction & Revision	Work Period Options: Completing Frayer Models Finishing SF Reports/Presentations Completing Cell & Dietary Impacts Graphic Organizers	Gummy Bear Lab Assessment Check

Literacy Tasks

Minor Assessment

Major Assessment