

ARC Week at Glance: Biology (Ms. West)

Topic: Structure and Function of Molecular Genetics

Course: Biology

Grade: 10

Dates: Dec 2 - 6

	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>					
Monday	I am learning about osmolarity.	I can <ul style="list-style-type: none"> Predict what happens to an animal cell in a hypotonic, isotonic, and hypertonic solution 	Math Monday Do Now – Calculations/Data Analysis Practice Onion Root Mitosis Inquiry Lab Set up	Cell Cycle Plates – Interphase and Mitosis Phases Summaries of Key Events & Cell Phase Recognition	Types of transport Quizziz self-assessment set
Tuesday	I am learning about the cell cycle.	I can <ul style="list-style-type: none"> Explain the events of Interphase (G1, S, G2) Explain the main events of PMAT Describe the products of mitosis 	Test Prep Tuesday Do Now – CER writing	Osmolarity Red Blood Cell Scenarios & Impacts Graphic Organizers	Formative Check - PMAT
Wednesday	I am learning about mitotic index.	I can <ul style="list-style-type: none"> Collect data from a sample of cells to calculate mitotic index Compare normal and cancer cell mitotic indexes 	WIS WIM Wednesday – summarizing information & writing questions	Mitotic Index Lab – Data collection & Analysis of light micrographs of cell samples Onion Root Mitosis Lab Data Collection & Conclusions	Mitotic Index Lab Conclusions

Thursday	I am learning about meiosis.	I can <ul style="list-style-type: none"> • Explain the main events of Meiosis I and Meiosis II • Compare and contrast mitosis and meiosis 	Throwback Thursday Do Now: Multiple Choice Question with Justification Writing	Meiosis Case Study – Reading as table groups and discussing embedded questions	Mitotic Index Lab Assessment Check
Friday	I am learning about cell division.	I can <ul style="list-style-type: none"> • Model cells in various phases of the cell cycle • Identify cells in various phases of the cell cycle • Explain the progression of events in mitosis and meiosis 	FRQ Friday Do Now: Free Response Question Answer Construction & Revision	Mitosis Meiosis Modeling Lab – Oreo phases of cell division	Cell Cycle Assessment Check

Literacy Tasks

Minor Assessment

Major Assessment