

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

Topic: Unit 6 Gene Expression & Regulation **Course:** AP/IB Biology **Grade:** 10, 11, 12 **Dates:** Mar 10-15

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

This week's Homework Focus: Unit 7 AP Classroom Videos

	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 transcription and translation.	I can <ul style="list-style-type: none"> • Transcribe a DNA sequence into RNA • Translate RNA into proteins • Diagnose a patient using medical test data and my knowledge of transcription and translation 	Math Monday Do Now – AP Formulas Practice Question March Mammal Madness Recaps	LFH: Protein Synthesis Gizmo Completed	Gizmo Conclusion
Tuesday	I am learning about mutations.	I can <ul style="list-style-type: none"> • Identify types of mutations in DNA sequences • Explain the impacts of different types of mutations • Outline the sickle cell mutation 	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing) March Mammal Madness Recaps	Sub Plan - DNA Mutations Practice Set	TOTD: DNA Mutations Impacts

Wednesday	I am learning about mutations.	I can <ul style="list-style-type: none"> Identify types of mutations in DNA sequences Explain the impacts of different types of mutations Outline the sickle cell mutation 	WIS WIM Do Now – Summarizing Sentences & Question Writing March Mammal Madness Recaps	Sickle Cell Modeling Mutations Lab	Midweek Assessment Check – Transcription & Translation
Thursday	I am learning about operons and gene regulation	I can <ul style="list-style-type: none"> Explain the role of lac operons in gene regulation 	Throwback Thursday Do Now – MCQ & Justification writing March Mammal Madness Recaps	Lac Operon / Gene Regulation Pogil Assignment	Sickle Cell Mutations Lab Assessment Check
Friday	I am learning about biotechnology	I can <ul style="list-style-type: none"> Explain procedures for biotechnology techniques Discuss pros and cons of biotechnology 	FRQ Friday Do Now – FRQ answer construction and self-assessment March Mammal Madness Recaps	Biotech JigSaw Activity – PCR, Gel Electrophoresis, Cloning, Genetic Modification/Gene Transfer	Turn and Talk biotechnology partners

Literacy Tasks

Minor Assessment

Major Assessment