

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

Topic: Unit 4: Cell Communication and Cell Cycle **Course:** AP/IB Biology

Grade: 10, 11, 12 **Dates:** Jan 6 – 10

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

This week's Homework Focus: 4.6, 4.7 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 feedback pathways.	I can <ul style="list-style-type: none"> • Distinguish between positive and negative feedback • Explain how positive feedback loops work • Explain how negative feedback loops work 	Math Monday Do Now – AP Formulas Practice Question	Feedback Pogil Activity – reading and analyzing pogil models to introduce positive and negative feedback	Unit 4 MCQ Progress Check – Pre-Assessment Positive vs Negative Feedback Turn and Talk TOTD formative

Tuesday	I am learning about blood glucose regulation	I can <ul style="list-style-type: none"> • Explain how blood glucose levels are regulated • Distinguish between the functions of insulin and glucagon • Distinguish between type I and Type II Diabetes 	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing)	Blood Glucose Pogil Activity – analyzing graphs of hormone activity to explain how blood glucose is regulated Insulin and Glucagon Hexagon Graphic Organizers (Inthinking)	Formative Check: Insulin vs Glucagon summary sentences TOTD
Wednesday	I am learning about blood glucose regulation	I can <ul style="list-style-type: none"> • Explain how blood glucose levels are regulated • Distinguish between the functions of insulin and glucagon • Distinguish between type I and Type II Diabetes 	WIS WIM Do Now – Summarizing Sentences & Question Writing Set up Mitosis Lab – Green Onion Roots prepared and put into solution to run until next Wednesday.	Diabetes T charts – Type 1 vs Type II Diabetes Hexagons added to T charts	Formative Check: Peer Assess Hexagon placements in T charts
Thursday	I am learning about the cell cycle	I can <ul style="list-style-type: none"> • Explain the timeline of the cell cycle • Explain the events of Interphase • Explain the events of Mitosis (PMAT) • Recognize cells in the various stages of the cell cycle 	Throwback Thursday Do Now – MCQ & Justification writing	Cell Cycle Plate Graphic Organizers – each phase labeled, scaled for time implications, and major events identified; sketch of nucleus/cell in each phase	Cell Cycle Practice Set – Quizzz/Blooket/Kahoot

Friday	I am learning about the cell cycle	I can <ul style="list-style-type: none"> • Explain the events of Mitosis (PMAT) • Recognize cells in the various stages of the cell cycle • Explain the role of cyclins in cell cycle regulation • Describe how cancer cells impact the cell cycle 	FRQ Friday Do Now – FRQ answer construction and self-assessment	Cell Cycle Plate Graphic Organizers – each phase labeled, scaled for time implications, and major events identified; sketch of nucleus/cell in each phase Cyclin Checkpoints added to cell cycle plates	Cell Cycle Practice Set – Quizzz/Blooket/Kahoot
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Literacy Tasks

Minor Assessment

Major Assessment