

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

Topic: Unit 4: Cell Communication and Cell Cycle; Unit 5 Genetics **Course:** AP/IB Biology

Grade: 10, 11, 12 **Dates:** Jan 21-24

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

This week's Homework Focus: 5.3, 5.4 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			Math Monday Do Now – AP Formulas Practice Question	Holiday	
Tuesday	I am learning about nondisjunction	I can <ul style="list-style-type: none"> Identify homologous chromosome pairs Identify gender based on karyotype Identify abnormalities in karyograms 	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing) Check Meiosis Graphic Organizers	Complete Onion Root Mitosis Lab Conclusions Karyotyping Virtual Lab – Chromosome Sorting and Karyogram Diagnoses *Potential for Asynchronous Learning – see Canvas for updated expectations as needed	Onion Root Mitosis Lab Assessment Check

Wednesday	I am demonstrating my understanding of Unit 4 Content	I can <ul style="list-style-type: none"> Answer MCQs and FRQs to demonstrate understanding of cell communication and cell cycle 	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.	N/A – Unit 4 Assessment *Potential for Asynchronous Learning – see Canvas for updated expectations as needed	Unit 4 Test – MCQs and FRQs from AP Classroom Questionbank
Thursday	I am investigating cell signaling	I can <ul style="list-style-type: none"> Explain taste receptor cell signaling pathways Predict impacts to signaling pathways when receptors are blocked Explain the benefits of gymema tea being used by diabetic patients 	Throwback Thursday Do Now – MCQ & Justification writing	Tea Party Lab – Taste Transduction Lab	Tea Party CER
Friday	I am learning about Mendelian genetics	I can <ul style="list-style-type: none"> Distinguish between genotype and phenotype; homozygous and heterozygous; dominant and recessive Use Punnett Squares to solve monohybrid genetics crosses 	FRQ Friday Do Now – FRQ answer construction and self-assessment	Revisit Karyotyping Lab Spongebob Genetics – use as preassessment piece to see what students remember about basic genetics Punnett Square Practice	Karyotyping Lab Assessment Check TOTD: Monohybrid Crosses

Literacy Tasks

Minor Assessment

Major Assessment