

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

Topic: Unit 5 Genetics **Course:** AP/IB Biology **Grade:** 10, 11, 12 **Dates:** Feb 3 – 7

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

This week's Homework Focus: 6.1, 6.2 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 demonstrating mastery of Unit 4 Content and reflecting on my test score.	I can <ul style="list-style-type: none"> Explain cell signaling and cell cycle Reflect on my Unit 4 Test Performance 	Math Monday Do Now – AP Formulas Practice Question	After Unit 4 Test is completed, students will work on Cell Division Mastery Summative Tasks	Unit 4 FRQ Test Extension & Reflection – additional mastery opportunity for Unit 4
Tuesday	I am learning about codominance and blood typing	I can <ul style="list-style-type: none"> Write blood type phenotypes and genotypes Solve codominance problems Type simulated blood and explain how blood typing works 	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing)	Blood Typing Lab & Problem Set Meiosis Cell Division Summative Task Work Time	Karyotyping Lab Assessment check

Wednesday	I am learning about sex-linked traits	I can <ul style="list-style-type: none"> • Write genotypes for sex linked traits • Use Punnett Squares to solve sex-linked trait genetic crosses • Solve pedigrees using for hemophilia or color blindness 	WIS WIM Do Now – Summarizing Sentences & Question Writing	Sex-Linked Genetics Practice Problems and Pedigrees Meiosis Cell Division Summative Task Work Time	Blood Typing Lab assessment check Cell Division Summative Tasks Due
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	AP Bio Tea Party – Signal Transduction Lab	Lab Conclusion CER
Friday	I am learning about dihybrid crosses	I can <ul style="list-style-type: none"> • Use the FOIL method to segregate alleles in a dihybrid cross • Use a dihybrid Punnett Square to predict genotypes and phenotypes 	FRQ Friday Do Now – FRQ answer construction and self-assessment	Dihybrid Punnett Squares Practice	Genetics Midweek Assessment Check

Literacy Tasks

Minor Assessment

Major Assessment