

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

**Topic:** Unit 5 Genetics / Unit 6 Molecular Biology    **Course:** AP/IB Biology    **Grade:** 10, 11, 12    **Dates:** Feb 10 - 14

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

**This week's Homework Focus:** Unit 5 Progress Checks, 6.3, 6.4, 6.5 AP Classroom Videos

	<b>Learning Target (I am learning about...)</b>	<b>Criteria for Success (I can...)</b>	<b>Activation/ Instruction</b>	<b>Collaboration/ Guided Practice</b>	<b>Independent Learning/ Assessment</b>
<i>(Include at least one/two formatives*in any part of the lesson as needed)</i>					
<b>Monday</b>	I am learning about linked traits.	I can <ul style="list-style-type: none"> <li>• Solve dihybrid crosses</li> <li>• Solve sex-linked trait crosses</li> <li>• Explain the inheritance of hemophilia and color blindness</li> <li>• Trace the inheritance of a trait through pedigree analysis</li> </ul>	Math Monday Do Now – AP Formulas Practice Question  Dihybrid Cross	Sex-Linked Traits Punnett Square Practice & Pedigree Practice	TOTD: Sex-linked traits formative check
<b>Tuesday</b>	I am learning about Chi Square Test	I can <ul style="list-style-type: none"> <li>• Use Punnett squares to calculate expected values</li> <li>• Use data sets to count observed values</li> <li>• Write null hypotheses</li> <li>• Solve Chi Square problems</li> </ul>	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing)	Chi Square Lab – Genetics Observed & Expected Values	Lab Conclusion writing

<b>Wednesday</b>	I am learning about Chi Square Test	<p>I can</p> <ul style="list-style-type: none"> <li>• Use Punnett squares to calculate expected values</li> <li>• Use data sets to count observed values</li> <li>• Write null hypotheses</li> <li>• Solve Chi Square problems</li> </ul>	<p>WIS WIM Do Now –  <b>Summarizing Sentences &amp; Question Writing</b></p>	Complete Chi Square Lab Analysis & Conclusion	<p><b>Genetics Midweek Assessment Check</b>  Unit 5 MCQ Progress Check Self-Assessment</p>
<b>Thursday</b>	I am self-assessing my understanding of Unit 5 Content	<p>I can</p> <ul style="list-style-type: none"> <li>• Complete the Unit 5 FRQ Progress Check to self-assess understanding of Unit 5 content</li> </ul>	<p>Throwback Thursday Do Now – MCQ &amp;  <b>Justification writing</b></p>	<p>Unit 5 FRQ Question Stem Discussions prior to Unit 5 FRQ Progress Check Answer Construction</p> <p>MCQ portion assigned for LFH work Tuesday</p>	<p><b>Chi Square Lab Assessment Check</b>  Unit 5 FRQ Progress Check Self-Assessment</p>
<b>Friday</b>			<p>FRQ Friday Do Now – <b>FRQ answer construction</b> and self-assessment</p>	Student Holiday	

Literacy Tasks

Minor Assessment

Major Assessment