

## ARC Week at Glance: IB Biology Year 2 (Ms. West)

**Topic:** Unity and Diversity – Molecules (A1); Form and Function – Molecules (B1)

**Course:** IB Biology Year 2

**Grade:** 12

**Dates:** Aug 19 – 23

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

**This week's Homework Focus:** Kognity Topic B.1 & Guided Notes Sheet

	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>		
<b>Monday</b>	I am learning about DNA experiments.	I can ... <ul style="list-style-type: none"> <li>• Explain how to extract DNA from an animal or plant cell</li> <li>• Discuss the universality of DNA</li> <li>• Describe the Hershey-Chase Experiment and results</li> <li>• Explain Chargaff's data</li> </ul>	Math Monday Do Now – Calculations Practice	Writing DNA Extraction Lab Conclusions  DNA Experiments Jig Saw	DNA Extraction Lab Assessment Check
<b>Tuesday</b>	I am demonstrating mastery of Molecule Unity and Diversity (Unit A1)	I can ... <ul style="list-style-type: none"> <li>• Answer Paper 1 MCQs and Paper 2 FRQs to demonstrate mastery of Unit A1</li> </ul>	Test Prep Tuesday Do Now – CER	N/A – Summative Assessment Day	Unit A1 Test: Molecule Unity & Diversity Unit Test Paper 1 MCQs on Kognity Paper 2 FRQs on Paper

<b>Wednesday</b>	I am learning about carbohydrates and lipids	I can ... <ul style="list-style-type: none"> <li>Identify carbohydrate and lipid structure</li> <li>Distinguish between condensation and hydrolysis reactions of carbs and lipids</li> </ul>	WIS WIM Do Now – Summarizing Sentences and Question Writing	Reaction Outlines – inputs, outputs, bonds using Inthinking Smart Slides set as table groups	A1 Test Revisions & Reflections/Reassessment Relearning plans as needed
<b>Thursday</b>	I am learning about calorimetry.	I can ... <ul style="list-style-type: none"> <li>Explain the procedure for calorimetry</li> <li>Explain the purpose of calorimetry</li> <li>Determine the energy of a sample using calorimetry data</li> </ul>	Throwback Thursday Do Now – MCQ & Justification Writing	Calorimetry Gizmo Lab – Explore the function of a calorimeter  Potato Calorimetry Data Analysis Lab – Data Set provided for dried pot vs. pot crisps. Determine which type of potato has the most energy.	Calorimetry summarizing sentences for lab conclusions
<b>Friday</b>	I am learning about steroids.	I can ... <ul style="list-style-type: none"> <li>Identify steroids from molecular diagrams</li> <li>Summarize the ability of non-polar steroids to pass through cell membranes</li> </ul>	FRQ Friday Do Now – Free Response Answer Construction & Self-Assessment	Steroids Inthinking Practice Sheet  ABO cell surface antigens example – identifying protein, carbohydrate and lipids.	Calorimetry Lab Assessment Check

Literacy Tasks

Minor Assessment

Major Assessment