

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 18 – 22

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

This week's Homework Focus: Kognity Topic A1 & B1 Review Topics

	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 DNA experiments.	I can ... <ul style="list-style-type: none"> Discuss the universality of DNA Describe the Hershey-Chase Experiment and results Explain Chargaff's data 	Math Monday Do Now – Calculations Practice	Kognity Time Lines and Reflection Questions completed from Friday DNA Experiments Jig Saw	Time line reflection questions for notebooks
Tuesday	I am reviewing carbohydrates and lipids	I can ... <ul style="list-style-type: none"> Identify carbohydrate and lipid structure Distinguish between condensation and hydrolysis reactions of carbs and lipids 	Test Prep Tuesday Do Now – CER	Reaction Outlines – inputs, outputs, bonds using Inthinking Smart Slides set as table groups	Condensation vs Hydrolysis TOTD

Wednesday	I am learning about calorimetry.	I can ... <ul style="list-style-type: none"> • Explain the procedure for calorimetry • Explain the purpose of calorimetry • Determine the energy of a sample using calorimetry data 	WIS WIM Do Now – Summarizing Sentences and Question 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.	Midweek Assessment Check A2.1 (and review topics covered)
Thursday	I am learning about steroids.	I can ... <ul style="list-style-type: none"> • Identify steroids from molecular diagrams • Summarize the ability of non-polar steroids to pass through cell membranes 	Throwback Thursday Do Now – MCQ & Justification Writing Complete Calorimetry Lab Conclusion Writing	Steroids Inthinking Practice Sheet ABO cell surface antigens example – identifying protein, carbohydrate and lipids.	Calorimetry Lab conclusion writing
Friday	I am researching IA topics and brainstorming ideas	I can ... <ul style="list-style-type: none"> • Identify a topic of interest for my IA Investigation • Complete an IA Proposal around a topic of choice 	FRQ Friday Do Now – Free Response Answer Construction & Self-Assessment	IA Topic Research & Brainstorming	Calorimetry Lab Assessment Check

Literacy Tasks

Minor Assessment

Major Assessment