

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

Topic: Unit 3: Energetics **Course:** AP/IB Biology **Grade:** 10, 11, 12 **Dates:** Nov 4 - 8

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

This week's Homework Focus: 3.5 & 3.6 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 completing my SF Project.	I can <ul style="list-style-type: none"> • Collect and Analyze Data • Construct Graphs • Write justifiable conclusions 	Math Monday Do Now – SA Volume Question	Options: <ul style="list-style-type: none"> • Science Fair Work Time – Completing Science Fair Planning Assignments • Conducting Science Fair Investigation/Data Collection • Writing Science Fair Formal Reports • Working on Science Fair Presentations Enzyme Pogil Activity for students who do not use class time for SF	SF check-in formatives

Tuesday	I am completing my SF Project.	I can <ul style="list-style-type: none"> • Collect and Analyze Data • Construct Graphs • Write justifiable conclusions 	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing)	Options: <ul style="list-style-type: none"> • Science Fair Work Time – Completing Science Fair Planning Assignments • Conducting Science Fair Investigation/Data Collection • Writing Science Fair Formal Reports • Working on Science Fair Presentations Enzyme Pogil Activity for students who do not use class time for SF	SF check-in formatives
Wednesday	I am learning about enzymes.	I can <ul style="list-style-type: none"> • Explain the relationship between enzymes and substrates • Explain the impact of pH, temperature, and substrate concentration on enzyme activity 	WIS WIM Do Now – Summarizing Sentences & Question Writing	Enzyme Graph Analyses - Pogil Activity	Enzymes Midweek Assessment Check (3.1 – 3.3)

Thursday	I am learning about enzyme reactions.	I can <ul style="list-style-type: none"> • Collect and analyze data for enzyme catalyzed reactions • Investigate how Surface Area impacts reaction rate • Investigate the impact of temperature, pH, or substrate concentration on enzyme activity 	Throwback Thursday Do Now – MCQ & Justification writing	Day 1 of 2 Catalase Lab – Potato investigations - Students will investigate the impact of surface area of potatoes – whole vs smashed – on enzyme activity Students will investigate the impact of one factor on enzyme activity	Enzyme Data Analysis, Graphing, and conclusion writing Unit 2B Reassessment as needed
Friday	I am learning about enzyme reactions.	I can <ul style="list-style-type: none"> • Collect and analyze data for enzyme catalyzed reactions • Investigate how Surface Area impacts reaction rate • Investigate the impact of temperature, pH, or substrate concentration on enzyme activity 	FRQ Friday Do Now – FRQ answer construction and self-assessment	Day 2 of 2 Catalase Lab – Potato investigations Students will investigate the impact of surface area of potatoes – whole vs smashed – on enzyme activity Students will investigate the impact of one factor on enzyme activity	Enzyme Data Analysis, Graphing, and conclusion writing Unit 2B Reassessment as needed

Literacy Tasks

Minor Assessment

Major Assessment