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

Topic: Unit 3: Energetics Course: AP/IB Biology Grade: 10, 11, 12 Dates: Nov 11 - 15

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

This week's Homework Focus: 3.7 AP Classroom Video & Science Fair

	Learning Target (I am learning about)	Criteria for Success (I can)	Activation/ Instruction	Collaboration/ Guided Practice	Independent Learning/ Assessment	
	about)		(Include at least one/two formatives*in any part of the lesson as needed)			
Monday			Math Monday Do Now – AP Formulas Practice Question	Veteran's Day Holiday		
Tuesday	I am learning about enzyme reactions.	I can  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	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing)	Catalase Lab Conclusions  – Potato investigations  Students will create markerboard poster presentations of their group findings. Carousel viewing to complete graphic organizers.	Enzyme Data Analysis, Graphing, and conclusion writing	

	I am learning about	I can	WIS WIM Do Now –	Cellular Energy Stations:	Catalase Lab Assessment
	cellular energy.	• Explain the ADP	Summarizing	Day 1 of 3	Check
		ATP Energy cycle	Sentences &		
Wednesday		Explain how	<b>Question Writing</b>	Intro to Energy Demo &	
		mitochondrion and		Data Collection	
		chloroplast support			
		the production of		Darkow Simulations	
lne		cellular energy			
Vec		<ul> <li>Outline the basic</li> </ul>		Chloroplast &	
>		inputs and outputs		Mitochondrion Diagrams	
		of cellular			
		respiration and		Leaf Disk Lab Station	
		photosynthesis		W D II D	
				Yeast Balloon Respiration	
	T 1 ' 1 '	т	/D1 1 1 /D1 1	Station	TOTO E CL 1
	I am learning about	I can	Throwback Thursday	Cellular Energy Stations:	TOTD: Formative Check
	cellular energy.	• Explain the ADP	Do Now – MCQ & Justification writing	Day 2 of 3	from stations work
		ATP Energy cycle	Justification writing	Intro to Energy Demo &	
		Explain how mitochondrion and		Data Collection	
Thursday		chloroplast support		Bata Concetion	
		the production of		Darkow Simulations	
		cellular energy		Burkow Simulations	
		<ul><li>Outline the basic</li></ul>			
		inputs and outputs		Chloroplast &	
		of cellular		Mitochondrion Diagrams	
		respiration and			
		photosynthesis		Leaf Disk Lab Station	
		<ul> <li>Measure the rates</li> </ul>			
		of photosynthesis		Yeast Balloon Respiration	
		and cellular		Station	
		respiration			

	I am learning about	I can		FRQ Friday Do Now	Cellular Energy Stations:	TOTD: Formative Check
Friday	I am learning about cellular energy.	•	Explain the ADP ATP Energy cycle Explain how mitochondrion and chloroplast support the production of cellular energy Outline the basic inputs and outputs of cellular respiration and photosynthesis	FRQ Friday Do Now  - FRQ answer  construction and self- assessment	Cellular Energy Stations: Day 3 of 3  Intro to Energy Demo & Data Collection  Darkow Simulations  Chloroplast & Mitochondrion Diagrams  Leaf Disk Lab Station	TOTD: Formative Check from stations work
		•	Measure the rates of photosynthesis and cellular respiration		Yeast Balloon Respiration Station	

Literacy Tasks

Minor Assessment

Major Assessment