

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
			<i>(Include at least one/two formatives*in any part of the lesson as needed)</i>		
Monday			Math Monday Do Now – AP Formulas Practice Question	Veteran's Day Holiday	
Tuesday	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 	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

<p style="text-align: center;">Wednesday</p>	<p>I am learning about cellular energy.</p>	<p>I can</p> <ul style="list-style-type: none"> • 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 	<p>WIS WIM Do Now – Summarizing Sentences & Question Writing</p>	<p>Cellular Energy Stations: Day 1 of 3</p> <p>Intro to Energy Demo & Data Collection</p> <p>Darkow Simulations</p> <p>Chloroplast & Mitochondrion Diagrams</p> <p>Leaf Disk Lab Station</p> <p>Yeast Balloon Respiration Station</p>	<p>Catalase Lab Assessment Check</p>
<p style="text-align: center;">Thursday</p>	<p>I am learning about cellular energy.</p>	<p>I can</p> <ul style="list-style-type: none"> • 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 • Measure the rates of photosynthesis and cellular respiration 	<p>Throwback Thursday Do Now – MCQ & Justification writing</p>	<p>Cellular Energy Stations: Day 2 of 3</p> <p>Intro to Energy Demo & Data Collection</p> <p>Darkow Simulations</p> <p>Chloroplast & Mitochondrion Diagrams</p> <p>Leaf Disk Lab Station</p> <p>Yeast Balloon Respiration Station</p>	<p>TOTD: Formative Check from stations work</p>

Friday	I am learning about cellular energy.	I can <ul style="list-style-type: none"> • 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 • Measure the rates of photosynthesis and cellular respiration 	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 Yeast Balloon Respiration Station	TOTD: Formative Check from stations work
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Literacy Tasks

Minor Assessment

Major Assessment