

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

Topic: Unit 3: Energetics **Course:** AP/IB Biology **Grade:** 10, 11, 12 **Dates:** Dec 9 - 13

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

This week's Homework Focus: 4.4, 4.5 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 learning cell signaling pathways.	I can <ul style="list-style-type: none"> • Explain cell signaling pathways • Outline G-protein receptors, tyrosine kinase receptors, and gated ion channels and their roles in signaling pathways • Investigate the particulars of a disease caused by faulty cell-cell signaling 	Math Monday Do Now – AP Formulas Practice Question Intro to Cell Signaling Mini Lecture: Ligand, Receptor, Transmission	Cell Signaling Disease Project Work Period Focus on Answering Background Questions & constructing opening slides	Unit 1 Semester Exam Practice Set – Quizziz, Kahoot, Blooket – Exam Prep & Review/Self-Assessment Unit 3A Writing Task Assessment Check – Small Group

<p style="text-align: center;">Tuesday</p>	<p>I am learning cell signaling pathways</p>	<p>I can</p> <ul style="list-style-type: none"> • Explain cell signaling pathways • Outline Gprotein receptors, tyrosine kinase receptors, and gated ion channels and their roles in signaling pathways • Investigate the particulars of a disease caused by faulty cell-cell signaling 	<p>Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing)</p>	<p>Cell Signaling Disease Project Work Period</p> <p>Focus on Disease Specific Pathways & constructing Slides</p> <p>Graphing Small Group Instruction – Independent, Dependent Variables Mini Lesson based on Unit 3 Test Performance</p>	<p>Unit 2 Semester Exam Practice Set – Quizziz, Kahoot, Blooket – Exam Prep & Review/Self-Assessment</p>
<p style="text-align: center;">Wednesday</p>	<p>I am learning cell signaling pathways</p>	<p>I can</p> <ul style="list-style-type: none"> • Explain cell signaling pathways • Outline Gprotein receptors, tyrosine kinase receptors, and gated ion channels and their roles in signaling pathways • Investigate the particulars of a disease caused by faulty cell-cell signaling 	<p>WIS WIM Do Now – Summarizing Sentences & Question Writing</p>	<p>Cell Signaling Disease Project Work Period</p> <p>Focus on Concluding Slides</p>	<p>Unit 3 Semester Exam Practice Set – Quizziz, Kahoot, Blooket – Exam Prep & Review/Self-Assessment</p>

Thursday	I am learning cell signaling pathways	<ul style="list-style-type: none"> • I can • Explain cell signaling pathways • Outline Gprotein receptors, tyrosine kinase receptors, and gated ion channels and their roles in signaling pathways • Investigate the particulars of a disease caused by faulty cell-cell signaling 	Throwback Thursday Do Now – MCQ & Justification writing	Table Talks – Disease Signaling Projects Presentations	Cell Signaling Disease Major Assessment Check
Friday	I am learning about cell signaling pathways.	I can <ul style="list-style-type: none"> • Explain how plants use cell signaling pathways to communicate • Describe examples of plant cell signaling 	FRQ Friday Do Now – FRQ answer construction and self-assessment	Plant Signaling Pogil Activity – Table Discussions around Models of Plant Cell-Cell Communication	Science Practices Semester Exam Practice Set – Quizziz, Kahoot, Blooket – Exam Prep & Review/Self-Assessment

Literacy Tasks

Minor Assessment

Major Assessment