

ARC Week at Glance: IB Biology Year 2 (Ms. West)

Topic: Lab Safety & Internal Assessment/Scientific Method

Course: IB Biology Year 2

Grade: 12

Dates: Aug 5 – Aug 9

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

	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			No High School Students		
Tuesday	<p>I am learning about rituals and routines.</p> <p>I am learning about natural selection.</p>	<p>I can</p> <ul style="list-style-type: none"> • Define natural selection, adaptation, and evolution • Design a butterfly that is most fit for the environment • Discuss advantages of camouflage 	<p>Test Prep Tuesday Do Now – Peppered Moths</p> <p>Class discussion to determine background knowledge of natural selection, adaptation, and evolution</p>	<p>Design butterflies & camouflage in the room</p>	<p>Quick butterfly hunt data collection and conclusion writing</p>

Wednesday	<p>I am learning about lab safety and classroom procedures.</p> <p>I am learning how to graph data sets appropriately.</p>	<p>I can ...</p> <ul style="list-style-type: none"> • Discuss the importance of lab safety rules • Know how to respond safely during any safety drill (fire, weather, lockdown, etc.) • I can analyze a data set and accurately reflect it on an appropriate graph to include titles, labels, units and correct scaling. 	<p>WIS WIM Do Now – Lab Safety Infographic</p> <p>White Board Collaboration – Brainstorm all lab safety rules you can remember</p> <p>Distribute Lab Safety Contracts and Discuss Safety Expectations</p>	<p>Read Lab Safety Contracts and Discuss</p> <p>Graphing 101 & Statistical ANALYSIS Review – Heart Rate Data Lab Investigation</p>	<p>CER TOTD: What is the most important lab safety rule? Write Claim, Evidence, and Reasoning</p>
Thursday	<p>I am learning about lab safety and scientific method.</p> <p>I am beginning to prepare for internal assessment procedures.</p>	<p>I can ...</p> <ul style="list-style-type: none"> • Discuss the importance of lab safety rules • Know how to respond safely during drills • Use steps of the scientific method to identify a science fair topic • Design an inquiry-based investigation around something that I am interested in. 	<p>Throwback Thursday Do Now – Scientific Method</p> <p>Finish discussing any Lab Safety Rules/Drills Needed</p> <p>Discuss Science Fair Expectations and Steps for Topic Selection – Inquiry based IA Investigation for Year 2. Science Fair will serve as your IA Draft.</p>	<p>Science Fair Topic Selection Work Period – Background Research and Topic Brainstorming</p>	<p>Think Pair Share Research and Topic Ideas to get peer feedback</p>

Friday	I am learning about lab safety and scientific method.	I can ... <ul style="list-style-type: none"> • Demonstrate mastery of lab safety rules • Use steps of the scientific method to identify a science fair topic 	FRQ Friday Do Now – Lab Safety Review Lab Safety with Review Game (Blooket, Quizlet Live, etc)	Science Fair Topic Selection Work Period – Background Research and Topic Brainstorming	Lab Safety Test
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Literacy Tasks

Minor Assessment

Major Assessment