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

Topic: Lab Safety & Internal Assessment/Scientific Method **Course:** AP/IB Biology **Grade: 10, 11, 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**
			*(Include at least one/two formatives*in any part of the lesson as needed)*		
Monday			No High School Students		
Tuesday	I am learning about rituals and routines. I am learning about natural selection.	I can • Define natural selection, adaptation, and evolution • Design a butterfly that is most fit for the environment • Discuss advantages of camouflage	Test Prep Tuesday Do Now – Peppered Moths Class discussion to determine background knowledge of natural selection, adaptation, and evolution	Design butterflies & camouflage in the room	Quick butterfly hunt data collection and conclusion writing

Wednesday	I am learning about lab safety and classroom procedures. I am learning how to graph data sets appropriately.	I can … • 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.	WIS WIM Do Now – Lab Safety Infographic White Board Collaboration – Brainstorm all lab safety rules you can remember Distribute Lab Safety Contracts and Discuss Safety Expectations	Read Lab Safety Contracts and Discuss Graphing 101 & Statistical ANALYSIS – Drops of Water on a Penny Lab Investigation	CER TOTD: What is the most important lab safety rule? Write Claim, Evidence, and Reasoning
Thursday	I am learning about lab safety and scientific method. I am beginning to prepare for internal assessment procedures.	I can … • 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.	Throwback Thursday Do Now – Scientific Method Finish discussing any Lab Safety Rules/Drills Needed Discuss Science Fair Expectations and Steps for Topic Selection – Inquiry based IA training for IB students	Science Fair Topic Selection Work Period – Background Research and Topic Brainstorming	Think Pair Share Research and Topic Ideas to get peer feedback

Friday	I am learning about lab safety and scientific method.	I can … • 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

Literacy Tasks Minor Assessment Major Assessment