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

Topic: Interaction and Dependence: Cells – Chemical Signaling **Course:** IB Biology Year 2

Grade: 12 **Dates: Jan 21-24**

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

This week's Homework Focus: D2 Kognity Topics, IA Revisions

	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			Math Monday Do Now	Holiday	
Tuesday	I am reviewing D2 Content: Cell Division, Gene Regulation, and Water Potential	I can • Distinguish between mitosis and meiosis • Explain Gene Regulation • Predict the movement of water into or out of a cell using water potential	Test Prep Tuesday – CER Practice Question (writing claim, evidence, & reasoning)	D2 Kognity Review *Potential for asynchronous learning day- see Canvas for updates as needed	D2 Kognity Formative Set
Wednesday	I am reviewing A3 content: Species & Classification	I can • Define species • Explain how species are classified • Use cladograms	WIS WIM Do Now – Summarizing Sentences and Question Writing	A3 Kognity Review *Potential for asynchronous learning day- see Canvas for updates as needed	D2 Assessment Check

Thursday	I am learning about gas exchange	I can • Distinguish between cell respiration, inhalation, and gas exchange • Identify organs of the ventilation system • Label a cross section of the lung (alveoli, pneumocytes, capillaries)	Throwback Thursday Do Now – MCQ & Justification Writing	Intro to Gas Exchange – Ventilation System Drawings – structure and function	Lung Structures Formative Check TOTD
Friday	I am investigating ventilation rates	I can • Calculate ventilation rate • Determine how various factors affect ventilation rates • Calculate tidal volume, expiratory reserve, lung capacity • Outline the steps of inspiration and expiration	FRQ Friday Do Now – Free Response Answer Construction & Self-Assessment	Ventilation Rate Lab – Lung Capacity & Ventilation Rate Data collection	Lab conclusion writing

Literacy Tasks Minor Assessment Major Assessment