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

Topic: Form & Function: Cells **Course:** IB Biology Year 2 **Grade: 12** **Dates: Dec 9 -13**

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

This week's Homework Focus: Kognity Topics B2.3 & C2.1

	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	I am learning about cell specialization.	I can • Distinguish between the various types of stem cells • Explain how size affects cell function • Explain how cells are adapted for their particular functions	Math Monday Do Now	Cell Viewing Activity – Images of Various cells analyzed to determine adaptations/specializations that support functions	TOTD: Formative cell SA Vol Ratio (Year 1 Review)
Tuesday	I am demonstrating understanding of form and function of cells (Topic B.2)	I can • Answer Paper 1 MCQs and Paper 2 FRQs to demonstrate content mastery	Test Prep Tuesday – CER Practice Question (writing claim, evidence, & reasoning)	N/A – B2 Unit Test	B2 Unit Test – Paper 1 MCQ & Paper 2 FRQ on Kognity
Wednesday	I am learning about IA revisions.	I can • Use my IA feedback to revise my IA investigation • Complete my IA document for final grading	WIS WIM Do Now – Summarizing Sentences and Question Writing	IA Feedback Discussion Circles	IA next steps writing formative check

Thursday	I am learning about chemical signaling.	I can • Explain the relationship between ligands and receptors • Identify steps of signal transduction pathways • Explain how bacterial quorum sensing is an example of chemical signaling in cells	Throwback Thursday Do Now – MCQ & Justification Writing	Chemical Signaling mini review – ligands, receptors, transduction Bacterial Quorum Sensing Examples	TOTD: Communication in plants TOK Everybody Writes Prompt
Friday	I am learning about synaptic transmission as example of chemical signaling	I can • Model a motor neuron and identify all its structures • Model a synapse and explain the process of synaptic transmission using the structures involved	FRQ Friday Do Now – Free Response Answer Construction & Self-Assessment	Synaptic Transmission Modeling Lab – modeling motor neurons, synapses, and synaptic transmission	Summarizing sentences written for models.

Literacy Tasks Minor Assessment Major Assessment