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

Topic: Chemistry of Life **Course:** AP/IB Biology **Grade: 10, 11, 12** **Dates: Aug 12 - 16**

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

This week's Homework Focus: AP Classroom 1.3 & 1.4 Daily Videos and Notes

	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 the structure and properties of water molecules.	I can • Draw and label water molecules • Distinguish between hydrogen and covalent bonds in a water molecule • Describe the significance of water properties to living things	Math Monday Do Now – Mean, Standard Deviation, Standard Error of the Mean Water Mini Lecture – structure and bonds	Significance of water properties to living things Jig Saw Activity & Graphic Organizer	TOTD formative check: Hydrogen vs Covalent bonds
Tuesday	I am learning about water properties and analyzing data to construct graphs.	I can • Investigate the properties of water and analyze data sets to include means, standard deviations, and standard error of the mean • Construct a graph to represent my data set	Test Prep Tuesday Do Now – CER Water Lab – Safety & Procedure Overview	Water Properties Lab Investigation – data collection and analysis/graphing	TOD: Calculations peer feedback with checklist of key elements

Wednesday	I am learning about water properties and analyzing data to construct graphs.	I can … • Construct a graph to represent my data set • Use my data set & graph to write a justifiable conclusion	WIS WIM Do Now – Summarizing Sentences & Question Writing Wrap up Water Properties – Lab connections discussion	Water Properties Lab Investigation – Graphing and conclusion writing	TOD: Graphing peer feedback with checklist of key elements
Thursday	I am learning about macromolecules.	I can … • Recognize monomers and macromolecules • Match monomers to the correct macromolecules • Describe molecular structures and bonds	Throwback Thursday Do Now – MCQ & Justification writing Intro to Macromolecules & Monomers	Macromolecules Pogil Activity – reading pogil information and analyzing models	Water Properties Lab Assessment Check
Friday	I am learning about macromolecules.	I can … • Recognize monomers and macromolecules • Match monomers to the correct macromolecules • Describe molecular structures and bonds	FRQ Friday Do Now – FRQ answer construction and self-assessment Macromolecules Card Sort Expectations and Directives given	Macromolecules Card Sort Activity	TOTD: Macromolecules/Monomers identification

Literacy Tasks Minor Assessment Major Assessment