

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

**Topic: D1 Continuity & Change: Molecules (Subtopics D1.1 Replication & D1.2 Protein Synthesis)**

**Course: IB Biology Year 2**

**Grade: 12**

**Dates: Sept 23 - 27**

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

**This week's Homework Focus:** Kognity Topics D1.1 and D1.2 Guided Notes Sheets

	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>		
<b>Monday</b>	I am learning about DNA replication enzymes.	I can ... <ul style="list-style-type: none"> <li>• Explain the functions of DNA replication enzymes</li> <li>• Explain how DNA replications work together to complete the semiconservative replication model</li> </ul>	Math Monday Do Now	DNA replication Enzymes <b>Graphic Organizers</b>	C1 Test Corrections & Reflections as needed
<b>Tuesday</b>	I am learning leading and lagging strand replication	I can ... <ul style="list-style-type: none"> <li>• Distinguish between leading and lagging strand replication</li> <li>• Explain leading and lagging strand replication</li> </ul>	Test Prep Tuesday – CER Practice Question ( <b>writing claim, evidence, &amp; reasoning</b> )	DNA Replication Leading vs Lagging Strand <b>Graphic Organizer</b>  DNA proofreading <b>Outlines</b>	TOTD: Leading or Lagging Quick Check

<b>Wednesday</b>	I am learning about PCR and Electrophoresis	I can ... <ul style="list-style-type: none"> <li>Outline the steps of PCR</li> <li>Outline the steps of electrophoresis</li> <li>Explain the applications of PCR &amp; electrophoresis</li> </ul>	WIS WIM Do Now – Summarizing Sentences and Question Writing	Can DNA Demand a Verdict Article Annotations (Inthinking)  PCR & Electrophoresis Outlines	D1 Midweek Assessment Check – DNA Replication Enzymes
<b>Thursday</b>	I am learning about transcription and translation	I can ... <ul style="list-style-type: none"> <li>Compare and contrast transcription and translation</li> </ul>	Throwback Thursday Do Now – MCQ & Justification Writing	Transcription and Translation Venn Diagram  IA Safety Considerations Assignment	TOTD: Transcription or Translation Quick Check
<b>Friday</b>	I am learning about mutations	I can <ul style="list-style-type: none"> <li>Distinguish between various types of mutations</li> </ul>	FRQ Friday Do Now – Free Response Answer Construction & Self-Assessment	Mutations Jig Saw Activity & mini lessons	TOTD: predicting implications of mutation

Literacy Tasks

Minor Assessment

Major Assessment