

ARC Week at Glance: Biology (Ms. West)

Topic: Structure and Function of Molecular Genetics - Unit 3B **Course:** Biology

Grade: 10 **Dates:** Jan 6 - 10

	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>					
Monday	I am summarizing my learning from Semester A.	I can <ul style="list-style-type: none"> • Summarize my understanding of Semester A content • Pre-Assess my understanding of Unit 3B content 	Math Monday Do Now – Calculations/Data Analysis Practice	Top 10 Things to Know Boards and Carousel Viewing – Students paired and given one Semester A Content Topic. Construct a marker board with the top 10 things to know about the topic. Students will then carousel view the boards and create their Semester A Review Graphic Organizers.	Unit 3B PreTest – Canvas (District provided assessment)
Tuesday	I am learning about DNA and RNA structure and function.	I can <ul style="list-style-type: none"> • Compare and contrast DNA and RNA structure • Explain the base pairing rules • Recognize DNA and RNA strands by structural comparisons • Explain the anti-parallel nature of DNA strands 	Test Prep Tuesday Do Now – CER writing Central Dogma Mini-lecture (DNA, RNA, Protein)	DNA Building Gizmo – DNA structure and base pairing DNA coloring sheet – formative assessment piece	DNA structure summary sentences TOTD

Wednesday	I am learning about the structure of DNA	<p>I can</p> <ul style="list-style-type: none"> Follow a procedure to isolate DNA from a fruit Describe the structure of DNA Write a CER to summarize our class data findings 	<p>WIS WIM Wednesday – summarizing information & writing questions</p>	<p>Digging for DNA Lab – DNA isolation from fruits</p> <p>Give students option of fruit</p> <p>Compare class findings</p>	<p>TOTD: CER Lab Conclusion/Lab Assessment Check</p>
Thursday	I am learning about DNA replication	<p>I can</p> <ul style="list-style-type: none"> Describe the structure of DNA strands Explain how DNA is replicated 	<p>Throwback Thursday Do Now: Multiple Choice Question with Justification Writing</p>	<p>DNA Structure & Replication Pogil Activity</p>	<p>TOTD: DNA replication Turn and Talk</p>
Friday	I am learning about DNA replication enzymes	<p>I can</p> <ul style="list-style-type: none"> Explain the functions of the enzymes involved in DNA replication: Helicase, Polymerase, Ligase, Primase Distinguish between leading and lagging strand replication 	<p>FRQ Friday Do Now: Free Response Question Answer Construction & Revision</p>	<p>DNA Replication Enzymes JigSaw Activity & Graphic Organizers – Expert Groups prepare marker board to explain what their enzyme does; during jig saw rotations each student will complete graphic organizer to summarize main roles of each enzyme</p>	<p>DNA, RNA, Central Dogma Minor Assessment Check</p> <p>DNA Structure & Replication Gimkit Practice Set</p>

Literacy Tasks

Minor Assessment

Major Assessment