

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

**Topic:** Stability & Change in Population Over Time

**Course:** Biology

**Grade:** 10

**Dates:** Aug 12 - 16

	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 characteristics of life.	I can <ul style="list-style-type: none"> <li>• Complete the pre-assessment for Unit 1 and review my data to self-assess my background knowledge</li> <li>• Explain what it means to be living by discussing the characteristics of life</li> </ul>	Math Monday Do Now Question  Unit 1 Pre-Assessment  Amoeba Sisters Characteristics of Life Video Clip	Is it Alive Survey Lab – quick view of multiple specimen in gallery walk to determine if biotic or abiotic. Discuss with collaborative partners and <b>provide justification.</b>	TOTD: Characteristics of Life formative
<b>Tuesday</b>	I am learning about Viruses replication.	I can <ul style="list-style-type: none"> <li>• Explain how a virus spreads.</li> <li>• Distinguish between lytic and lysogenic cycles</li> <li>• Compare and contrast viruses to living organisms.</li> </ul>	Test Prep Tuesday Do Now – <b>CER</b>  Disease Spread Gizmo Whole Group Data Analysis – Introduce idea of genetic variation/evolution of viruses	Virus Lytic Cycle Gizmo at table groups (if laptops available) – if not whole group with table talk time to discuss	TOTD: <b>Read Scenario</b> provided and students will determine if lytic or lysogenic and justify.

Wednesday	I am learning about Virus Structure.	I can ... <ul style="list-style-type: none"> <li>Develop a model of a viral particle.</li> <li>Identify the structures of a virus.</li> <li>Demonstrate how a virus replicates using my model.</li> </ul>	WIS WIM Do Now – <b>Summary Sentences &amp; Question Writing</b>  Quick overview of Virus Structures & Explain materials available	Virus Modeling Lab – Construct Virus Models & Demonstrate replication models	Table Talk- Present models to peers. Compare and contrast models.
Thursday	I am learning about lab Antibiotic Resistance.	I can ... <ul style="list-style-type: none"> <li>Describe the replication process of bacteria</li> <li>State that antibiotics treat bacteria</li> <li>Explain diagrams of antibiotic and pesticide resistance</li> </ul>	Throwback Thursday Do Now – MCQ with justification of answers  Introduction to bacteria replication (binary fission) and how quickly DNA changes in bacterial generations	Diagrams of antibiotic and pesticide resistance provided – students <b>write</b> down observations, questions they have, thoughts about what is happening as a brainstorming session	<b>Characteristics of Life &amp; Viruses Assessment Check</b>
Friday	I am learning about Antibiotic Resistance	I can ... <ul style="list-style-type: none"> <li>Describe the replication process of bacteria</li> <li>State that antibiotics treat bacteria</li> <li>Explain diagrams of antibiotic and pesticide resistance</li> </ul>	FRQ Friday Do Now – <b>Free response construction</b> & self-assessment of answer  Lab Directions explained	Antibiotic Resistance Modeling Lab – data collection and analysis	<b>Conclusion writing</b> – Lab Assessment Check next week (minor grade)

Literacy Tasks

Minor Assessment

Major Assessment