

ARC Week at Glance: Biology (Ms. West)

Topic: Stability & Change in Population Over Time

Course: Biology

Grade: 10

Dates: Aug 19 - 23

	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 learning about bacteria and binary fission.	I can <ul style="list-style-type: none"> Describe the replication process of bacteria State that antibiotics treat bacteria Explain diagrams of antibiotic and pesticide resistance 	Math Monday Do Now Question Bacteria Domains Close Read: Archaea & Eubacteria	Binary Fission Intro; Lab Xchange Simulation	TOTD: Binary Fission summary sentence
Tuesday	I am learning about antibiotic resistance.	I can <ul style="list-style-type: none"> Describe the replication process of bacteria State that antibiotics treat bacteria Explain diagrams of antibiotic and pesticide resistance 	Test Prep Tuesday Do Now – CER Lab Directions explained	Antibiotic Resistance Modeling Lab – data collection and analysis	Conclusion writing
Wednesday	I am learning about evolution and antibiotic resistance.	I can ... <ul style="list-style-type: none"> Play the role of a CDC scientist and investigate the outbreak of a superbug 	WIS WIM Do Now – Summary Sentences & Question Writing	Evolution Gizmo STEM case: Working as a CDC researcher, students investigate an outbreak of multi-drug resistant bacterial infections and determine how evolution was involved by tracing the source and cause of the outbreak.	Antibiotic Resistance Lab Assessment Check

Thursday	I am learning about the evolutionary advantage of resistance	I can ... <ul style="list-style-type: none"> Describe pesticide resistance Explain the advantages of pesticide resistance Reflect on the pros and cons of antibiotic resistance (virus vs host perspective) 	Throwback Thursday Do Now – MCQ with justification of answers Why are cockroaches so hard to kill video clip & guided discussion	Addie’s Case Video & Read Reflection Guide and Discuss through Table Talk	Unit 1A Quizziz Review for Friday’s Test
Friday	I am demonstrating understanding of Unit 1A	I can ... <ul style="list-style-type: none"> Answer MCQs in EOC style to demonstrate mastery of characteristics of life, Viruses, Bacteria, and Antibiotic and/or Pesticide Resistance 	FRQ Friday Do Now – Free response construction & self-assessment of answer	N/A – Summative Assessment Day – Unit 1A Test	Unit 1A Midpoint Test – Characteristics of Life, Viruses, Bacteria, Bacterial Resistance

Literacy Tasks

Minor Assessment

Major Assessment