

ARC Week at Glance: Biology (Ms. West)

Topic: Stability & Change in Population Over Time

Course: Biology

Grade: 10

Dates: Aug 18 – 22

	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 Quick Review Bacteria Domains 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 – Literacy Tasks	Antibiotic Resistance Evidence Task Research Day OR 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 & Literacy Tasks and Discuss through Table Talk	Unit 1A Quizziz Review for next week's test
Friday	I am demonstrating understanding of antibiotic resistance	I can ... <ul style="list-style-type: none"> • Gather evidence and construct a product to support pesticide resistance role or antibiotic resistance role 	FRQ Friday Do Now – Literacy Tasks & self-assessment of answer	Modeling pesticide and antibiotic resistance evidence work period for mock trial summative assessment	Unit 1A Summative Assessment Task formative checks/individual conferencing

Literacy Tasks

Minor Assessment

Major Assessment