

ARC Week at Glance: Biology (Ms. West)

Topic: Stability & Change in Population Over Time

Course: Biology

Grade: 10

Dates: Aug 11 - 15

	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 antibiotic resistance and the spread of disease	I can <ul style="list-style-type: none"> describe how diseases spread from person to person. describe how antibiotic resistance contributes to disease spread 	Math Monday Do Now Question Unit 1 Pre-Assessment Assigned on Progress Learning	Disease Spread Activity (Gizmo if available) Introduce Mock Trial Project	Disease spread CER
Tuesday	I am learning about Viruses and antibiotics.	I can <ul style="list-style-type: none"> Explain how a virus spreads. Distinguish between lytic and lysogenic cycles Compare and contrast viruses to living organisms. Distinguish between vaccines and antibiotics 	Test Prep Tuesday Do Now – CER 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 OR Guest Speaker Potentially – combine with other bio classes for guest speaker about vaccines and antibiotics if works out	TOTD: You're the Doctor Case Study.
Wednesday	I am learning about Virus Structure.	I can ... <ul style="list-style-type: none"> Develop a model of a viral particle. Identify the structures of a virus. Demonstrate how a virus replicates using my model. 	WIS WIM Do Now – Summary Sentences & Question Writing 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"> Describe the replication process of bacteria State that antibiotics treat bacteria Explain diagrams of antibiotic and pesticide resistance 	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 write down observations, questions they have, thoughts about what is happening as a brainstorming session Antibiotic Resistance Modeling Lab – data collection	Bacteria coloring sheet – bacterial cell structure
Friday	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 	FRQ Friday Do Now – Free response construction & self-assessment of answer Lab Directions explained	Antibiotic Resistance Modeling Lab –analysis and conclusion writing	Characteristics of Life and Virus Bacteria Assessment Check

Literacy Tasks

Minor Assessment

Major Assessment