

ARC Week at Glance

Topic: Genetic Drift and Biodiversity Course: Biology I Grade(s): 10-12 Dates: 8/26/24-8/30/24

	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 how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.	I can explain how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.	<p>Do Now: What is an organism? Provide an example.</p> <p>Teacher goes over Learning Target and Success Criteria and begins lesson for today (Biological Resistance)</p> <p>Students will complete a KWL on Genetic Drift</p>	<p>The teacher guides students on important notes from a video on Genetic Drift as students take Cornell Notes.</p> <p>Students complete their notes with the help of the teacher and classmates.</p> <p>Also, literacy task</p>	<p>Students will begin their summary about what they have learned from a video on Genetic Drift</p> <p>Also, literacy task</p>

Tuesday	I am learning about how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.	I can explain how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.	<p>Do Now: What is a population? Provide an Example</p> <p>Teacher goes over Learning Target and Success Criteria and begins lesson for today (Genetic Drift)</p>	<p>Teacher will guide students on completing the Evolution STEM Case that involves Genetic Drift and Natural Selection</p> <p>Students will begin working together on completing STEM case with the teacher's guidance to find ways on how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.</p>	Students will complete experiment 2 on the STEM case and begin explaining how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.
Wednesday	I am learning about how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.	I can explain how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.	<p>Do Now: What is Genetic Drift? Provide an Example</p> <p>Teacher goes over Learning Target and Success Criteria and begins lesson for today (Genetic Drift)</p>	Students will continue working together on completing STEM case with the teacher's guidance to find ways on how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.	Students will complete a summary in their notebook on how undirected genetic changes in natural selection and genetic drift have led to changes in populations of organisms.

Thursday	I can explain the patterns in biodiversity that result from speciation	I can analyze and interpret data to explain patterns in biodiversity that result from speciation	<p>Do Now: What is speciation? Provide an example.</p> <p>Teacher goes over Learning Target and Success Criteria and begins lesson for today (Speciation)</p>	The teacher guides students on beginning Blended Learning assignment on Biological Diversity	Students will view instruction and begin assignment on Biological Diversity
Friday	I can explain the patterns in biodiversity that result from speciation	I can analyze and interpret data to explain patterns in biodiversity that result from speciation	<p>Do Now: What is Biodiversity? Provide an example.</p> <p>Teacher goes over Learning Target and Success Criteria and begins lesson for today (Speciation)</p>	The teacher guides students on beginning Blended Learning assignment on Biological Diversity	Students will complete the assignment on Biological Diversity and begin the quiz to be due on Asynchronous day, 09/03.

**Please highlight your literacy tasks, your major grades and your minor grades. I suggest color coding.