

ARC Week at Glance: Biology (Ms. West)

Topic: Patterns in Heredity & Selection Unit 4 **Course:** Biology

Grade: 10 Dates: Feb 24-28

Homework Focus: EOC Practice Sets on Progress Learning

	Learning Target (I am learning about...)	Criteria for Success (I can...)	Activation/ Instruction	Collaboration/ Guided Practice	Independent Learning/ Assessment
			(Include at least one/two formatives*in any part of the lesson as needed)		
Monday	I am learning about Pedigrees	I can <ul style="list-style-type: none"> Assign genotypes to individuals in pedigree charts Construct a pedigree for a fictional family 	Math Monday Do Now – Calculations/Data Analysis Practice	Complete Harry Potter Pedigrees	Lab Assessment Check – Pedigree Charts
Tuesday	I am learning about speciation	I can <ul style="list-style-type: none"> Describe an island habitat List phenotypes on the island that would increase survival rate 	Test Prep Tuesday Do Now – Claim Evidence Reasoning Practice	Speciation Close Read Activity to review what speciation is and how mutations and natural selection impact species Speciation Activity – Day 1 (Habitat & Phenotypes of individuals that increase survival)	TOTD: Speciation formative check

Wednesday	I am learning about speciation	I can <ul style="list-style-type: none"> Describe the traits of the perfect person for my island habitat Describe mutations that could improve survival rates Sketch the most fit individual's traits after mutations and natural selection have occurred 	WIS WIM Wednesday – summarizing information & writing questions Blood Typing Demo Lab	Speciation Activity – Day 2 (Perfect Person for island, mutations and survival rates, most fit individuals, genetic variation comparisons among islands)	Lab Conclusion Writing
Thursday	I am reviewing genetic drift	I can <ul style="list-style-type: none"> Investigate how different factors affect genetic makeup and evolution of populations 	Throwback Thursday Do Now: Multiple Choice Question with Justification Writing	Genetic Drift Review – Mechanisms of Evolution Scenario Reading Tasks Population Genetics Simulation - HHMI	Summarize findings in simulation – turn and talk TOTD
Friday	I am reviewing genetic drift	I can Investigate how different factors affect genetic makeup and evolution of populations	FRQ Friday Do Now: Free Response Question Answer Construction & Revision	Finish Population Genetics Simulation - HHMI	Genetic Drift Assessment Check

Literacy Tasks

Minor Assessment

Major Assessment