ARC Week at Glance

Topic: Genetics: Course: Biology Grade(s): 10-12 Dates: 03/03/25-03/07/25

	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 how to obtain, evaluate, and communicate information to analyze how genetic information is expressed in cells.	I can obtain, evaluate, and communicate information to analyze how genetic information is expressed in cells.	Do Now: What are genes? Provide a visual. The Teacher will demonstrate how to complete the Meiosis Gizmo Simulation on Genetics.	Teacher will guide students on completion of the Meiosis Gizmo simulation on Genetics	Students will complete Meiosis simulation on Genetics
Tuesday	I am learning how to use Mendel's laws (segregation and independent assortment) to ask questions and define problems that explain the role of meiosis in reproductive variability.	I can use Mendel's laws (segregation and independent assortment) to ask questions and define problems that explain the role of meiosis in reproductive variability.	Do Now: What is an allele? Provide a visual. The Teacher will demonstrate how to complete the Meiosis Gizmo Simulation on Crossbreeding.	The teacher will guide students on completion of the Meiosis Gizmo simulation on Crossbreeding.	Students will complete Meiosis simulation on Crossbreeding.

Wednesday	I am learning how to use Mendel's laws (segregation and independent assortment) to ask questions and define problems that explain the role of meiosis in reproductive variability.	I can use Mendel's laws (segregation and independent assortment) to ask questions and define problems that explain the role of meiosis in reproductive variability. information is expressed in cells.	Do Now: Who is Gregor Mendel? The teacher will conduct a mini lesson on Punnett Squares.	The teacher will guide students on how to complete monohybrid cross.	The student will complete an assignment on creating a monohybrid cross.
Thursday	I am learning how to obtain, evaluate, and communicate information to analyze how biological traits are passed on to successive generations.	I can use Mendel's laws (segregation and independent assortment) to ask questions and define problems that explain the role of meiosis in reproductive variability.	Do Now: Monohybrid Cross sample task.	The teacher will guide students on how to complete the dihybrid cross.	The student will complete an assignment on creating a dihybrid cross.

Friday	I am learning how to obtain, evaluate, and communicate information to analyze how biological traits are passed on to successive generations.	I can use Mendel's laws (segregation and independent assortment) to ask questions and define problems that explain the role of meiosis in reproductive variability. .	Do Now: Sample dihybrid cross task.	The students will complete a quiz on Meiosis.	The students will complete a quiz on Meiosis and finish up monohybrid and dihybrid cross assignment(s).