ARC Week at Glance

Topic: Genetics: Course: Biology Grade(s): 10-12 Dates: 02/24/25-02/28/25

	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: Name a famous Inventor? The Teacher will conduct a mini lesson on people who have paved the way in society and STEM.	Teacher will guide students on completion of Blended Learning Assignment on the Genetic Code	Students will complete assignments on Genetic Code.
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: Who is Gregor Mendel? Teacher will conduct a Mini Lesson on SLANT	The teacher will introduce Nearpod Lesson on Meiosis.	Students will complete the quizzes and open-ended responses on the Meiosis Nearpod Lesson

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: What is the Law of Independent Assortment	The teacher will introduce the "Dog Genetics" activity, and model how to complete it. The students how independent assortment of genetic information leads to variations in traits.	The students will begin creating their dog profile using the resources provided by the teacher.
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: What is the law of segregation?	The students will continue creating their dog profile using assistance provided by the teacher.	The students will continue creating their dog profile using the resources provided by the teacher.

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: Why do we have various traits?	The students will complete finishing touches on their dog profile with the aid of the teacher, if needed.	The students will complete finishing touches on their dog profile. Students may take a gallery walk to view each other's dog creations. Students will complete a 321 on what they have learned from their experience of completing the dog genetics activity.