

SCIENCE AGENDA April 17- 21st

MS-LS3-1 Develop and use a model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism.

DATE		IN CLASS WORK (Performance Task)	SUCCESS CRITERIA HOMEWORK
Monday April 17th	FOCUS QUESTION Why do geneticist karyotype chromosomes?	<ul style="list-style-type: none"> • Students will look at barcodes and realize how similar they look to chromosomes. • Students will karyotype genes to look for a genetic abnormality. (Beetle) • Students will learn about some genetic abnormalities. 	<p>HW: None</p> <p>Students will be able to explain that reason geneticist karyotype chromosomes is to look for genetic abnormalities.</p>
Tuesday April 18th	FOCUS QUESTION Explain how you know whether or not this kangaroo has a genetic abnormality?	<ul style="list-style-type: none"> • Students will karyotype a kangaroo chromosomes to check to see if there is an abnormality. What they don't finish in class, they will complete for homework. 	<p>HW: Kangaroo Karyotype</p> <p>Students will be able to explain that this kangaroo has a genetic disorder because it has a missing chromosome.</p>
Wednesday April 19th	FOCUS QUESTION Who was Gregor Mendel?	<ul style="list-style-type: none"> • Students will watch a Bill Nye video on Chromosomes. • Students will read page 83 to learn more about Gregor Mendel. <p>GUEST TEACHER (I will be taking my daughter to the doctors.)</p>	<p>HW: None</p> <p>Students will be able to explain that Gregor Mendel is known as the father of genetics because he was the first to study genetic traits with pea plants.</p>
Thursday April 20th	FOCUS QUESTION Why do some offspring look more like their father or mother when they receive the same amount of genetic material from both parents?	<ul style="list-style-type: none"> • Students will do the Class Survey on page 85 in the science book. • Students will learn about dominant and recessive traits found on pages 86-89 in the science book 	<p>HW: None</p> <p>Students will be able to explain that the reason the offspring may look more like one parent than the other is because that parent may have more dominant traits.</p>
Friday April 21st	FOCUS QUESTION Am I on target with what I am suppose to learn about the chromosomes?	SCIENCE QUIZ (The Chromosome)	<p>HW: None</p> <p>Students will earn a 80% or better on this quiz.</p>