

# SCIENCE AGENDA May 1 - 5th

**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	FOCUS QUESTION	IN CLASS WORK (Performance Task)	SUCCESS CRITERIA HOMEWORK
<sup>a</sup> Monday May 1st	<b>FOCUS QUESTION</b> What is the genotype and phenotype of the parent alien?	<ul style="list-style-type: none"> <li>Students will draw an alien showing its phenotype and listing its genotype. This alien drawing will be used tomorrow to predict the characteristics of the offspring.</li> </ul>	<b>HW:</b> Draw an Alien and questions  Students will have a colorful alien drawing with its genotype listed.
Tuesday May 2nd	<b>FOCUS QUESTION</b> How are genetic traits passed down to the offspring?	<ul style="list-style-type: none"> <li>Students will breed their cartoon aliens by filling out Punnett squares and choosing the genes that come from mom and dad.</li> </ul>	<b>HW:</b> None  Students will be able to draw the alien offspring from knowing the genotype.
Wednesday May 3rd	<b>FOCUS QUESTION</b> What information will be on the Cells and Heredity test next week?	<ul style="list-style-type: none"> <li>Students will complete a study guide for the test on Cells and Heredity next week.</li> </ul>	<b>HW:</b> None  Students will have a completed study guide to use to prepare for the test next week.
Thursday May 4th	<b>STUDY GUIDE</b> I can karyotype chromosomes. I can name some genetic disorders. I can give three facts about Gregor Mendel. I can define allele, dominant/recessive trait, genotype and phenotype. I can use a Punnett square to predict the traits in offspring.	<b>SCIENCE RETAKE QUIZ (Predicting Traits in Offspring)</b>  <ul style="list-style-type: none"> <li>Students who would like to retake the science quiz from last week can retake it during class.</li> <li>After taking the science quiz, students will complete a worksheet on finding interest rates.</li> </ul> <b>I = prt</b>	<b>HW:</b> None  Students will achieve an 80% or higher on this quiz.
Friday May 5th	<b>FOCUS QUESTION</b> What information will be on the Cells and Heredity test next week?	<ul style="list-style-type: none"> <li>Students will play a review game for their cells and heredity test next week.</li> </ul> <a href="https://create.kahoot.it/#quiz/cc8d794f-d991-4e45-9728-3afb0dfe4c7c">https://create.kahoot.it/#quiz/cc8d794f-d991-4e45-9728-3afb0dfe4c7c</a>	<b>HW:</b> None  Students will know what they need to study and be prepared for the Cells and Heredity test next week.