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|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| **CONTENT**  **OBJECTIVE:** | Students will be able to demonstrate ***comprehension*** of genes and chromosomes by ***predicting*** the meaning of these terms through class discussion. | Students will be able to demonstrate ***application*** of genes and chromosomes by ***determining*** the gender, tail shape, and fur color of their rat offspring and explain any similarities and differences to the parents on an exit ticket. | Students will be able to demonstrate ***analysis*** of genes and chromosomes by ***explaining*** whether the traits of offspring can be predicted when analyzing the parents genes and chromosomes using a CER with a score of 4 or higher. | Students will be able to demonstrate ***evaluation*** of genes, proteins, and mutations by ***determining*** the accuracy of statements about an article with an accuracy of 75% (6 out of 8) or higher. | Students will be able to demonstrate ***comprehension*** of genes, proteins, and mutations by ***identifying*** the answers on the quiz with a score 80% or higher. |
| **LANGUAGE OBJECTIVE:** | Students will write to describe using a type 1 writing. | Students will discuss questions using sentence stems. | Students will write to explain using a type 2 writing. | Students will write to predict using a pre-reading strategy. | Students will discuss the connection between terms with their A/B partner. |
| **VOCABULARY:** | Gene  Chromosome | Genetic Trait | Cell, Chromosome, Gene, Trait, Variants, Nucleus, DNA | Mutation |  |
| **NGSS:** | **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. | **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. | **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. | **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. | **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. |