

SCIENCE AGENDA April 9 - 13th

STANDARD: MS-LS1-5. Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.

| DATE | FOCUS QUESTION | IN CLASS WORK (Performance Task) | SUCCESS CRITERIA |
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| Monday April 9th | FOCUS QUESTION What patterns do you notice in the chromosome? | <ul style="list-style-type: none"> • Students will turn in their Kangaroo Karyotype that was assigned on Friday. • Students will observe the chromosome and record the patterns that they notice. • Students will learn how the chromosome replicates. • Students will make a candy chromosome and compare it with other students to look for twins. | HW: None Students will be able to explain that the rungs of the chromosome always combine red with blue and orange with green and the rungs are always attached to a white, and the sides of the chromosome has a repeating pattern of white and black |
| Tuesday April 10th | <i>Same as Tuesday</i> | | |
| Wednesday April 11th | FOCUS QUESTION Why can two parents who are right handed have a child who is left handed? | <ul style="list-style-type: none"> • Students will complete the physical trait wheel to learn how unlikely it is to get two people with the same traits. • Students will learn about dominant and recessive traits. | HW: None Students will be able to be able to explain that two parents who are right handed are carrying the recessive trait for left handedness. So it is possible for them to have a left handed child. |
| Thursday April 12th | FOCUS QUESTION How can a Punnett square help to predict traits. | <ul style="list-style-type: none"> • Students will practice make in Punnett squares <p>Schedule is out of order 4, 6, 7,1, lunch A, 5, 2, 3</p> | HW: None Students will be able to predict a trait from knowing the genes that the parents are carrying. Mom is a purebred right handed person with genes RR and dad is a hybrid right handed person with genes Rr. What hand will the offspring write with? |
| Friday April 13th | STUDY GUIDE I can example the differences between asexual and sexual reproducers. I can name how many chromosomes are in a body cell, gamete and zygote. I can explain where to find the chromosomes. I can name the two chromosomes that make a girl and a boy. I can name the amino acid pairs. I can explain why the chromosomes uncoil. | <ul style="list-style-type: none"> • Students will take a quiz. <p>Friday the 13th End of the 3rd Marking Period</p> | HW: Students will be able to earn an 80% or higher on this quiz. |