Chelsey Phillips Biology 1 GT Dates: February 4-8, 2019

BENCHMARKS/GLES/LEARNING OBJECTIVES: TLW:

* HS-LS3-1. Ask questions to clarify relationships about the role of DNA and chromosomes in coding the instructions for characteristic traits passed from parents to offspring.
* HS-LS3-2: Make and defend a claim based on evidence that inheritable genetic variations may result from (1) new genetic combinations through meiosis, (2) viable errors occurring during replication, and/or (3) mutations caused by environmental factors.
* HS-LS3-3: Apply concepts of statistics and probability to explain the variation and distribution of expressed traits in a population.

MATERIALS: worksheets, smart board, coins

GROUPS:

INDIVIDUAL: WHOLE CLASS: CO-OPERATIVE

Feb 4-8 Feb. 4-8 Feb. 5-7

ASSESSMENT FORMAT:

INFORMAL: FORMAL: PERFORMANCE:

February 5-6 February 8 Feb. 5-7

|  |  |
| --- | --- |
| MONDAY  2-4 | 1. Bell Ringer 2. Inheritance patterns in pedigrees 3. Construct a pedigree 4. Interpreting information in a pedigree worksheet |
| TUESDAY  2-5 | 1. Bell Ringer 2. Review worksheet 3. Pedigree typing quick-fire 4. Pedigree activity-heart disease genes |
| WEDNESDAY  2-6 | 1. Bell Ringer 2. Complete pedigree activity 3. Assign family pedigree project    1. Outline project and discuss rubric |
| THURSDAY  2-7 | 1. Bell Ringer 2. Genetics review    1. Punnett square    2. pedigree 3. Work on pedigree project |
| FRIDAY  2-8 | 1. Bell Ringer 2. Genetics test 3. Working on pedigree project (due Monday) |

Chelsey Phillips Biology 1 Pre-AP Dates: February 4-8, 2019

BENCHMARKS/GLES/LEARNING OBJECTIVES: TLW:

* HS-LS3-1. Ask questions to clarify relationships about the role of DNA and chromosomes in coding the instructions for characteristic traits passed from parents to offspring.
* HS-LS3-2: Make and defend a claim based on evidence that inheritable genetic variations may result from (1) new genetic combinations through meiosis, (2) viable errors occurring during replication, and/or (3) mutations caused by environmental factors.
* HS-LS3-3: Apply concepts of statistics and probability to explain the variation and distribution of expressed traits in a population.

MATERIALS: worksheets, smart board, coins

GROUPS:

INDIVIDUAL: WHOLE CLASS: CO-OPERATIVE

Feb 4-8 Feb. 4-8 Feb. 5-7

ASSESSMENT FORMAT:

INFORMAL: FORMAL: PERFORMANCE:

February 5-6 February 8 Feb. 5-7

|  |  |
| --- | --- |
| MONDAY  2-4 | 1. Bell Ringer 2. Punnett square review 3. Intro to pedigrees-video |
| TUESDAY  2-5 | 1. Bell Ringer 2. Inheritance patterns in pedigrees 3. Construct a pedigree 4. Interpreting information in a pedigree worksheet |
| WEDNESDAY  2-6 | 1. Bell Ringer 2. Review worksheet 3. Pedigree typing quick-fire 4. Assign family pedigree project as a bonus    1. Outline project and discuss rubric |
| THURSDAY  2-7 | 1. Bell Ringer 2. Genetics review    1. Punnett square    2. pedigree |
| FRIDAY  2-8 | 1. Bell Ringer 2. Genetics test 3. Working on pedigree bonus |