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

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| --- | --- |
| MONDAY2-4 | 1. Bell Ringer
2. Inheritance patterns in pedigrees
3. Construct a pedigree
4. Interpreting information in a pedigree worksheet
 |
| TUESDAY2-5 | 1. Bell Ringer
2. Review worksheet
3. Pedigree typing quick-fire
4. Pedigree activity-heart disease genes
 |
| WEDNESDAY2-6 | 1. Bell Ringer
2. Complete pedigree activity
3. Assign family pedigree project
	1. Outline project and discuss rubric
 |
| THURSDAY2-7 | 1. Bell Ringer
2. Genetics review
	1. Punnett square
	2. pedigree
3. Work on pedigree project
 |
| FRIDAY2-8 | 1. Bell Ringer
2. Genetics test
3. Working on pedigree project (due Monday)
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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

|  |  |
| --- | --- |
| MONDAY2-4 | 1. Bell Ringer
2. Punnett square review
3. Intro to pedigrees-video
 |
| TUESDAY2-5 | 1. Bell Ringer
2. Inheritance patterns in pedigrees
3. Construct a pedigree
4. Interpreting information in a pedigree worksheet
 |
| WEDNESDAY2-6 | 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
 |
| THURSDAY2-7 | 1. Bell Ringer
2. Genetics review
	1. Punnett square
	2. pedigree
 |
| FRIDAY2-8 | 1. Bell Ringer
2. Genetics test
3. Working on pedigree bonus
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