I. *Reading Comprehension: Read the following newsela article. Be sure to click on the correct lexile for your article according to the lexile ranges I have created. See below. Do not forget to annotate your article as you read to receive credit for the questions.* ***Circle the verbs, underline the nouns/noun phrases and highlight all unit vocabulary words found in the text.***

*\*(brainPop -> search content topic -> click on newsela -> click view on newsela-> change lexile level -> sign in-> begin reading article and answer quiz questions)*

## Tiny mammals survived dinosaurs and asteroid; now they're threatened

0-560 ο

561-720 \*

721-960

961-1140 ♥

1141 and up ◊

II. Technology I-BrainPop: Watch the video on Natural Selection. Take graded quiz. Must score 100% on the graded quiz before moving on to the next station. Email me your results. BrainPop (username: ecobb; password: ecobb).

III. *Writing: Choose from one of the following types of essays (Narrative Essay-Tell a story, Descriptive Essay-Painting a picture, Expository Essay- Just the facts or Persuasive Essay-convince me) to write an essay about natural selection or Punnett squares and pedigrees.* ***Essay must be typed.*** *Include this week’s vocabulary in your essay. Please visit the link below for additional support on expository essay writing:*

[*https://www.time4writing.com/writing-resources/types-of-essays/*](https://www.time4writing.com/writing-resources/types-of-essays/)

*\*a paragraph consists of 5-7 complete sentences.*

Paragraph one- Introduction

Paragraph two- Body 1

Paragraph three- Body 2

Paragraph four- Body 3 (Explain how your hands-on activity relates to natural selection or Punnett squares.)

Paragraph five- Conclusion

IV. *Vocabulary: Choose ten words from the unit vocabulary list that are the most challenging to you to complete one of the vocabulary tasks blow (\* denotes the task must be typed):*

|  |  |  |  |
| --- | --- | --- | --- |
| **Graffiti Vocabulary** | **Crossword Puzzle\*** | **Vocabulary Cartoon** | **\*Create a short story using ten vocabulary words or complete Frayer Model-D**  **--------------------------**  **IXL** |
| **K.I.M. Strategy** | **Who am I?\*** | **Science Acrostic** |
| **Frayer Model-A** | **Frayer Model-B** | **Frayer Model-C** |

V. Hands-On: Create a 3D modal of your choice related to Heredity (Be creative!) or choose from one of the tasks below *(\* denotes task must be typed)*:

|  |  |  |  |
| --- | --- | --- | --- |
| **Foldable** | **Social Media Page** | **Scholarly Article** | **Functional 3D model**  **----------------------**  **Create a vocabulary matching game with pictures** |
| **Song/Rap/Poem** | **Comic Strip** | **Children’s Book** |
| **Poster** | **Textbook Recreate** | **Quiz\*** |

VI. Notes: Science workbook pages on Punnett squares and pedigrees pg. 208-216; 1-18

VII*. Technology II-Study Island: Complete the following topic(s).*

1. Genetics & Heredity

\*(If topics do not show on home screen then click on GA programs on the left side of screen. Click on 7th grade. Topics should populate. Click on above topics and begin.)

VIII. Graphic Organizer

1. Punnett Squares and Pedigrees Graphic Organizer

IX. Social Studies and Math integration

1. Identify a unique family genotype or phenotype. Once the genotype or phenotype is been identified, create a word problem that involves a mathematical equation.
2. Geographically locate your family on a map. Be sure to include longitude and latitude coordinates.
   1. Include a graph. Graph the data you researched based of family members with similar phenotypes. You can choose a graph from the link below. Choose a graph that will best depict your data.

<https://visme.co/blog/types-of-graphs/>

X. Observation, Inference and Prediction

Create a Punnett square of yourself. Use pictures of yourself and parents. Write an observation about the picture in a complete sentence. Write an inference about the picture in a complete sentence. Write a prediction about the phenotypes your future great grandchildren will have.