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)*

## DNA from Neanderthal ancestors gives us immunity, allergies, studies find

0-580 ο

581-840 \*

841-1030

1031-1210 ♥

1211 and up ◊

II. Technology I-BrainPop: Watch the video on DNA. 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 DNA structure and function.* ***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 DNA structure and function or biotechnology)

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):*

See frayer model attached.

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)*:

|  |  |  |  |
| --- | --- | --- | --- |
| **Brochure** | **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 DNA Structure and Function pg. 218-228; 1-21 and Biotechnology pg. 232-240; 1-17

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. DNA structure and function and biotechnology Graphic Organizer

IX. Social Studies and Math integration

1. Identify biotechnology’s impact on individuals, society and the environment. Once the impact is been identified, create a word problem that involves a mathematical equation.
2. Geographically the impact globally on a map. Be sure to include longitude and latitude coordinates on the map.
   1. Include a graph. Graph the data you researched. Depending on the impact, you can compare and contrast data from different countries. 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

Find and print a picture of a DNA structure. 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 picture in a complete sentence.