

**6th Grade STEM Summer Science Project 2023**  
*Summer Preparatory Earth Science Project (5th grade into 6th grade year)*

**DUE the First week of school to your Science Teacher**

**STUDENT NAME:** \_\_\_\_\_

This coming year in science you will be learning all about Land, Water and Human Interactions, Weather and Climate, Geological Processes, Earth's Resources and the Solar System and Beyond.

As you can see, you will be busy this upcoming year and the first step in becoming a great Scientist is being able to connect what you do on a daily basis to science.

*For your summer STEM project you will Choose a topic to research and create the following:*

- 1. Choose an observable Earth science phenomena/event (local or world event) & write a paragraph**
  - a. Choose a topic- examples: You may look at the news and observe world events/happening that involve earthquakes/volcanoes/oceans/etc.- OR- you may observe local happenings that you notice involve erosion/pollution/weather/etc. Be creative and observe the world around you. Earth Science occurs everywhere!
  - b. Write a paragraph explaining what you observed. Write a summary about what you saw/read/watched. What is the cause of your phenomena/event? How does this effect humans/animals/environment? Is this related/connected to another science concept?
- 2. Create a 3D Model of an Earth science phenomena/event**
  - a. Model should fit in a 30cm x 30cm square.
  - b. Model should accurately display the phenomena/event.
  - c. Model should include labels and information keys where appropriate.
- 3. Create a Presentation to teach a follow student about your phenomena/event. (poster or google slides)**
  - a. Use information you have gathered to create a presentation (poster, storyboard, Google Slides\*\*) that displays and informs the audience about your Earth Science phenomena. (see rubric below)

**\*\*Be prepared to participate in a gallery walk during the first week of school to present your project.**

*\* Any researched information must be cited to avoid plagiarism. Please include all references (books, websites, etc.) that you used for the project.\**

*\*\*Any slideshow presentation must be done on google slides or other easily accessible format\*\**

*\*\*\*Support can be provided for these projects on Wednesday, July 12 and/or Monday, July 17 (2023) at KCMS from 9:30am- 1:00pm. Ms. Markosian will be at KCMS willing to help work on projects.*

*Be creative and have fun with this assignment. As long as you can connect your activity to an earth science concept you will have met the requirements for the project! If you have any questions during the summer you can email Mr. Copeland*

*[RLCopeland@kent.k12.md.us](mailto:RLCopeland@kent.k12.md.us)*

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This project is worth one summative grade and will be scored using the following rubric:

**Project Rubric Checklist:**

- ☐ 15 pts Creativity
  - ☐ 15 pts Project demonstrates innovation and creativity throughout poster/presentation
- ☐ 15 pts Informative Paragraph
  - ☐ 15 pts Project demonstrates accurate description and summary of event/phenomena. How does connect to other science concepts. How does it effect humans/animals/environment.
- ☐ 30 pts 3D Model
  - ☐ 10 pts 3D Model Includes all parts of the phenomena/event
  - ☐ 10 pts 3D Model is laid out in the proper format
  - ☐ 10 pts 3D Model is detailed and color
- ☐ 40 pts Presentation/Poster
  - ☐ 10 pts Presentation/Poster is scientifically accurate and uses science vocabulary
  - ☐ 10 pts Presentation/Poster is Educational and explains the phenomena/event
  - ☐ 10 pts Presentation/Poster cites sources accurately (MLA format)
  - ☐ 10 pts Presentation/Poster contains graphs/diagrams or pictures

Total Points \_\_\_\_ / 100 pts total