Weathering & Erosion Menu

***Instructions*:** Choose any combination of activities that fulfills the requirement for the grade you are wishing to receive. You may complete the activities on lined paper the paper provides and with a pen or pencil. Make sure to complete any and all **REQUIRED** activities and that your name, today’s date and period all appear on your papers.

**DUE DATE: End of the Block on Thursday, October 14, 2015**

***GRADING SCALE***

7 assignments = 100 A

6 assignments = 95 A

5 assignments = 85 B

4 assignments = 75 C

3 assignments = 65 D

Less than 3 assignments = 55 F

1. **REQUIRED**: Read pages 126-132 in the textbook (Section 5.1 Weathering).
   1. Define all bold terms on a blank sheet of paper.
   2. Answer Questions 1-6 on page 132 on the same sheet of paper used in (a).
2. **REQUIRED**: Read pages 143-147 in the textbook (Section 5.3 Mass Movements)
   1. Define all bold terms on a blank sheet of paper.
   2. Answer questions 1-6 on page 147.
   3. Complete the “Mass Movement” Worksheet
3. Visit <http://ees.as.uky.edu/sites/default/files/elearning/module07swf.swf> and complete the “Mechanical Weathering” Student Organizer by scrolling through the animation. *USE YOUR EARBUDS FOR THIS ONE!*
4. Visit <http://www.pbslearningmedia.org/asset/ess05_img_erosion/> and complete the “Erosion” Student Organizer by scrolling through the animation.
5. Complete the “Case Study from Kent” Erosion worksheet.
6. Write a **full page** essay on ONE of the following prompts:
   1. Suppose that you have just returned from a visit to a limestone cave, such as Mammoth Cave in Kentucky. Write a full page news article describing your visit to the cave. Include how the cave formed, what you saw during your visit, and how features inside the cave developed. *Google images of Mammoth Cave!*
   2. A mass of mud roaring down a hill can be very dangerous. Pretend you saw this and describe what it looked and sounded like in a full page essay. Include the weather conditions on that day and the day before. What objects did you see come down in the mudslide. Was the road blocked? What caused this to happen?
7. Create a Public Service Announcement (poster) warning the public about the dangers of either EROSION or MASS MOVEMENTS.
   1. Ask Mrs. Eckhoff for paper.
   2. Include the following: (1) a catchy title, (2) the definition of your chosen force (erosion or specific mass movement), (3) eye-catching pictures/visuals, (4) why this force (erosion or mass movement) is dangerous, and (5) how the public can protect themselves against this force.
8. Google images of the following FIVE weathering/movements with your ChromeBook: (1) mechanical weathering, (2) chemical weathering, (3) frost wedging, (4) exfoliation, and (5) mass wasting. You may find it helpful to check out some of the National Parks: *Arches, Yellowstone, Joshua Tree*, *Rocky Mountain, Canyonlands, Zion, Capitol Reef….* Upload a photo of EACH weathering/movement. Include a description of the type of weathering or movement that has occurred in the photo. Next, answer the following questions: What has occurred and why? What will this place look like in 10,000 years if the weathering/movement continues? Is the movement dangerous? Why or why not?
9. Read the article by *National Geographic* titled “Yellowstone Has Bulged as Magma Pocket Swells” and complete the Article Summary Guide found at the front of the classroom. The article can be found at this link: http://news.nationalgeographic.com/news/2011/01/110119-yellowstone-park-supervolcano-eruption-magma-science/
10. **REQUIRED**: In a half page, describe *why* you chose the assignments you chose to complete. Which ones did you like the best, the worst? What did you like about this Menu? What did you dislike?