

Mrs. Cronin's 8th Grade Science Class

Trimester 1 – Extra Credit Opportunities – Due 9/23/2019

Our students have diverse interests and talents. In honor of the Coastal Cleanup Day, I'm offering an extra credit opportunity.

- This assignment is completely **optional**.
- Should a student wish to participate, I expect his or her best work, adherence to the guidelines and meeting the due date (September 23, 2019).
- Late or sloppy work will **not** be accepted.
- Written submittals are expected to be typed (12-point font, double spaced), and spelling and grammar checked. Please **no hand-written** submissions.
- Students can **only pick one option** to receive credit for.

4 Options to choose from:

1) 10 points – Counting toward Homework Credit (Weight of homework is 10% of grade)

- Register and participate in the 2019 Coastal Cleanup Day with Heal the Bay, on September 21 from 9 a.m. to noon.
<https://healthebay.org/event/coastal-cleanup-day-2019/>
- Document your presence by bringing me the following **two** things: **(1)** a copy of your registration and **(2)** a signature from an organizer (along with his or her title for confirmation).
- Lastly type two paragraphs (5-8 sentences each) about your experience and learning at this event.
- Due Monday September 23, 2019 in class.

2) 10 points – Counting toward Homework Credit (Weight of homework is 10% of grade)

- Submit an 8x10 Color photo, or color drawing, or pastel drawing, watercolor painting, or oil painting of your favorite WEST COAST beach. The photo or artwork must be yours and in color!
- Then, review your chosen beach's report card (in other words, the art and the report card need to be from the same beach).
<https://www.beachreportcard.org/33.9102999999999999/-118.51929100000001/11>
- In two typed paragraphs (5- 8 sentences each), please discuss
 - Why you selected the WEST COAST beach you selected?
 - Why you selected the art form you selected?
 - What the information on the Beach Report Card means. What did you learn? Do you see any trends looking at this beach's data?
- Due Monday September 23, 2019 in class.

3) 10 points – Counting toward Homework Credit (Weight of homework is 10% of grade)

Visit an aquarium in Southern California (not a fish store) this September (no prior visits). You may select from:

<https://theculturetrip.com/north-america/usa/california/articles/the-7-best-aquariums-in-california/>

- Include your ticket stub as proof.
- Lastly type two paragraphs (5-8 sentences each) about your experience (e.g. what animals did you see, and what you learned).
- Due Monday September 23, 2019 in class.

4) 10 points – Counting toward Homework Credit (Weight of homework is 10% of grade)

- Either design your own novel (original) engineering idea OR research an existing engineering idea proposed to solve an environmental problem in the ocean or coastal zone (anywhere in the world).
- Please do not discuss policy or economic ideas/options -just an engineering solution.
- Your typed report must be in 12-point font, a minimum of 1.5 pages, double spaced (excluding photos and diagrams) and discuss:
 - The proposed solution
 - Which organization or person proposed it
 - Pros and cons: Why it may or may not work
 - Your opinion of the solution
 - Included all your references in MLA style (look it up if you're unsure what this reference style is).