



Course: CP/CPA Environmental Earth Science

We hope that you, your families and loved ones are well! During the COVID-19 pandemic school closure, we will be doing our best to provide you engaging activities that will enrich your understanding of the Earth and its environment. During term 4, you will primarily be exploring how humans impact the world around us.

Goal for this week
<p>Learning Objectives: Students will be able to ...</p> <ol style="list-style-type: none"> 1. describe how currents move plastics throughout the ocean. 2. understand how pollution/plastics in the ocean affects marine ecosystems. 3. extrapolate how continued pollution will affect the environment in the future. <p style="text-align: right;"><i>(2016 MA STE Standard: HS-ESS35)</i></p>
<p>Literacy Objectives:</p> <ol style="list-style-type: none"> 1. Reading: to understand a concept and construct meaning 2. Writing: to generate a response to what one has read, viewed, or heard 3. Reasoning: to identify a pattern, explain a pattern, and/or make a prediction based on a pattern <p style="text-align: right;">https://www.bpsma.org/schools/brockton-high-school/about-us/mission-literacy-charts</p>

<p>Lesson:</p> <ul style="list-style-type: none"> • <i>Your science teacher will be in contact to clarify expectations (like when and how to submit your work for credit) for your class.</i> • Complete instructions for what to do this week are in the Environmental Earth Science weekly “Student Answer Sheet” • Below you will find a summary description of what to do each day and the resources you will need. • Click on the links to view the resources.

WHY THIS MATTERS

It used to be that people would go to the beach and find pretty pieces of sea glass polished smooth by the waves and sand. Now when you go, you can't help but notice plastic trash. 300 million tons of plastics are manufactured annually with [8 million tons ending up in the ocean](#)! If that trend continues, there will be more plastic in the ocean than fish by 2050. What can you do to [change that trend](#)?

Topic: Plastics in the Ocean: Human impact and the Earth's future

Day	What to do ...
Monday	<p>Open your student answer sheet and place all your student work in this sheet.</p> <p>CK-12 Flexbook Go to CK-12.ORG and login or create a free student account if needed. Join class with code: srq7i The readings & video clips are listed in the CK12.ORG class as assignments with the due date.</p> <p>Read and view videos in the readings for 5.0 Ocean Garbage Patch & 6.0 Ocean Plastics</p>
Tuesday	<p>Read the required articles on plastics in the ocean and ocean clean up and answer the questions in your student answer sheet.</p>

WEEKLY REMOTE LESSONS

June 1-5, 2020

BROCKTON HIGH SCHOOL
SCIENCE DEPARTMENT



Wednesday	Watch the documentary video linked in your student answer sheet and answer the writing prompts in your student answer sheet .
Thursday	Finish anything incomplete. Review and read through all your work for spelling and completeness in your student answer sheets from the week on the topic of Plastics in the Ocean.
Friday	Compose an open response to the prompt: Discuss the issue of Plastics Pollution in the Ocean. Why does it affect so many marine species? Discuss the impact to the ocean and the marine food web. Be sure to cite evidence from everything (each day) you have worked on this week. <u>Underline/Highlight</u> key scientific terms. Compose your essay in the student answer sheet .

Additional Support

Email:

- Please reach out to your science teacher with specific questions about the lesson.

Office Hours:

- Here is a list of the [science teachers' office hours](#). Please email your teacher to set up meeting times.

Other questions:

- Science Department Head
Dr. David Mangus
davidmangus@bpsma.org