

Mr. Ralph Perry

Life Science

“Human Genetics”

ZOOM

Lesson 1: Students will be introduced to the human genome. Inherited genetic traits will be discussed and how characteristics are passed from one generation to another generation will be determined. Students will participate in an activity, utilizing their parents’ traits, to determine how they inherited those traits.

Mr. Ralph Perry

Physical Science

“Property of Water - Density”

ZOOM

Students will experiment with water and several household liquids to determine which are most dense.

CHALLENGE: Repeat the density experiments utilizing salt water. Compare and contrast the results using fresh water versus salt water.

Mr. Christopher Perry **Life Science**

“Human Skeletal System/Ocean Animal Skeletal System”

GOOGLE CLASSROOM

Lesson 1: The anatomy specifically bones, of a human being will be investigated and discussed. The skeletal system of an ocean animal will be investigated and discussed.

Several student challenges regarding skeletal systems will be assigned for student researched.

ADDITIONAL CHALLENGE: Create a VENN Diagram comparing/contrasting Human Skeletal system to the skeletal system of your favorite Ocean Animal.

Lesson 2: **Earth and Space Science** **“The Importance of Ocean Currents”** **WEB QUEST**

Mr. Chris Perry will present an interactive lesson, utilizing web quest, focusing on the concentration of Ocean Currents. Students will discuss the importance of “ocean currents” after researching a series of assigned challenges.

CHALLENGES:

1. Which current did Benjamin Franklin discover?
2. Prepare a “Note in a Bottle” which includes:
 - a. Your name
 - b. the date
 - c. your E-mail
 - d. Sea Lab - general Information about yourself and current affairs
 - e. Deposit your “Note in a Bottle” at the tip of Fort Rodman Peninsula or any other area of the Ocean

Mr. Ian Francis

Engineering & Technology
“Building a Solar Oven”

Environmental Science
“Trash Windmill”

Materials and Supplies Needed: Toilet paper rolls, Skewers, Popsicle sticks, Cardboard, Paper or plastic cups, Drinking straws, Aluminum foil, Fishing string/string. You are free to purchase what you like, but I suggest using what you have on hand.

GOOGLE CLASSROOM
ZOOM

Posting a Video on Monday 10:00 AM
Interactive Teacher-Students Discussion

Lesson 1:

Solar Oven

Students, utilizing household materials and recyclables, will create a working solar oven. Students will choose a food that is safe to cook and eat it in their constructed solar oven.

Suggestions for cooking include, but are not limited to, a hot dog, pizza, s'mores.

Lesson 2:

Trash Windmill

Students will collect recyclable materials and supplies, noted on a material list, to create a working windmill. The windmill must lift up weight. Whoever creates the cheapest and strongest windmill will win a prize.



