Grade 7 – Level 5

**TEACHERS:**
- Ralph Perry  
  Email: rwperry@newbedfordschools.org
- Christopher Perry  
  Email: cperry@plymouth.k12.ma.us
- Ian Francis  
  Email: ian.francis@gnbvt.edu

<table>
<thead>
<tr>
<th>Teacher</th>
<th>Subject</th>
<th>Platform</th>
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<tbody>
<tr>
<td>Mr. Ralph Perry</td>
<td>Life Science, Physical Science</td>
<td>ZOOM</td>
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<tr>
<td>Mr. Christopher Perry</td>
<td>Life Science</td>
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<tr>
<td>Mr. Ian Francis</td>
<td>Engineering &amp; Technology</td>
<td>GOOGLE CLASSROOM/ZOOM</td>
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<tr>
<th>2020 Schedule Homeroom:</th>
<th>Mr. Ralph Perry</th>
<th>Mr. Christopher Perry</th>
<th>Mr. Ian Francis</th>
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<tr>
<td>Mr. Ralph Perry</td>
<td>ZOOM</td>
<td>Homeroom Class A</td>
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<tr>
<td>TUESDAY _10:00 AM</td>
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<td>July 7, 14</td>
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<td>August 4, 11</td>
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<td>July 6, 13</td>
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<td>Homeroom Class A</td>
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<tr>
<td>MONDAY _9:00 AM</td>
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<td>July 20, 27</td>
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<td>MONDAY _9:00 AM</td>
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<td>August 3, 10</td>
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Mr. Ralph Perry

Lesson 2: 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. Ralph Perry

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.

Mr. Christopher Perry

Lesson 2: 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

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Mr. Ian Francis  Engineering & Technology  Environmental Science
“Building a Solar Oven”  “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  Posting a Video on Monday  10:00 AM
ZOOM  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.