

OAKLAND CUSD #5

# PRE-CALCULUS

MAY 1 1-15, 2020

WILLIAM SEWELL

**Week: May 11 -May 15, 2020**

**Teacher:** William Sewell

**Communication:** email: william.sewell@oakland5.org or Google Hangout-Meet

**Office hours:** Monday and Wednesday: 12:00 to 2:00 p.m., Tuesday and Thursday: 12:00 to 1:00 p.m.

**Due Date:** All assignments are due 5/18/2020 either by sending a picture of it and turning it into Google Classroom or turning it into the office.

**Assignments:** All assignments will be in "Google Classroom" and a paper copy will be provided from the Oakland main office. I will have office hours as listed above which we can review the assignments given and I will help you as much as needed. However, the expectation is the same as it was before. I expect you to have made a serious effort to complete the assignment, before asking for help. You will not learn anything with me just giving you the answers.

Class	Choice 1	Choice 2	Choice 3 (Enrichment)
Earth Science	<p>Weather: For 5 straight days, do the following:</p> <ol style="list-style-type: none"> <li>1. Watch the news for the weather report.</li> <li>2. Record their prediction.</li> <li>3. Write what actually happened.</li> <li>4. Were they correct?</li> <li>5. Watch the weather report in the evening and what was their recap of that day's forecast.</li> </ol>	<p>Write down 24 things and their materials used to make them, which can either be found in your house or made from your house. Consider the following the:</p> <ol style="list-style-type: none"> <li>1. Building materials</li> <li>2. Furniture in the house</li> <li>3. Appliances</li> </ol> <p>from different parts of the house kitchen, bedroom, bathroom, etc.</p> <p>You should be turning in a two column list of: Household item and material used to make it.</p>	<p>Human Impact On Resources Please answer and respond to the following questions and statements. Make a list of five ways humans impact Earth by writing the following for each.</p> <ol style="list-style-type: none"> <li>1. State the human impact.</li> <li>2. Determine whether or not it is positive or negative.</li> <li>3. State the things which determine the degree of this impact.</li> <li>4. Is this impact permanent or temporary?</li> </ol>
Pre-calculus	Write down 10 different ways that you use math in your everyday life.	Write down 10 different items that require math to be made. Describe briefly how math may have been used. You can look this up.	Watch videos on sinusoidal equations and do problems. They will be assigned in Khan academy.

Class	Choice 1	Choice 2	Choice 3 (Enrichment)
<b>Physical Science</b>	<p>Reflection on Water Usage</p> <p>Write a paragraph about the following:</p> <ol style="list-style-type: none"> <li>1. Do you think you used too much water?</li> <li>2. What are some ways that you can reduce your water usage?</li> <li>3. Will this change make you less clean or less hydrated? How will these changes effect you?</li> </ol>	<p>Write down 24 things and their materials used to make them, which can either be found in your house or made from your house. Consider the following the:</p> <ol style="list-style-type: none"> <li>1. Building materials</li> <li>2. Furniture in the house</li> <li>3. Appliances</li> </ol> <p>from different parts of the house kitchen, bedroom, bathroom, etc.</p> <p>You should be turning in a two column list of: Household item and material used to make it.</p>	<p>Calculate the speed of your distance ran, walked, hopped, and skipped by taking your distance and dividing it by your time for each. You should have a total of 12 speeds. 3 speeds for all 4 activities.</p>
<b>Chemistry</b>	<p>Consider what elements are used to make up the things in the area around you (either in or outside your house). Write it down and what you think it is made of for at least 20 items. You should have a two column list of: item and element.</p>	<p>Consider the compounds or mixtures that makeup the things in or out of your house. Write down at least 15. Read labels if you must. Identify if those things are mixtures or compounds. Remember a mixture can, typically, be separated by physical means. A compounds can only be separated by a chemical means. Those things that makeup a compound are bonded together, but a mixture has not been. Think of the difference between baking a cake and what you need for it versus putting icing on it. Or the chocolate chips in the cookie versus the flour, or sugar in it.</p>	<p>Do Empirical Formula Lab WS by watching video and pictures of lab.</p>