CP Biology – Unit 1

“Properties of Water”

|  |  |  |  |
| --- | --- | --- | --- |
| **Objective:**  \*Explain the properties of water.  \*Elements are held together by bonds. Bonds capture energy.  Identify 3 types of bonds: Covalent, Ionic and Hydrogen  **Driving Questions:**  1. Explain why water from the roots of a tree can move against gravity to the leaves of the tree. Use appropriate vocabulary.  2.What happens when bonds break? | **Vocab**:  surface tension, hydrophilic, hydrophobic, cohesion, adhesion, capillary action, polar molecules | **Reference**:  \*Plagiarism Video  \* Water Video  \*Quizlets  \*text: pages\_\_\_\_\_\_\_\_\_\_\_ | **Required Activities:**  \*Vocabulary –attached and emailed by  **Due:** **8:00am September 9, 2013**  \*Summary of Plagiarism Video – What is it and how to avoid it. (Not Plagiarized)  **Due: September 13, 2013**  \*Water Lab and Required lab write up  **Due: September 18, 2013**    **\*Extension Activity-**  “The Coming Water Wars”  **Due: Test Day**  **\*Sustainability Project**  “A Closer Look at Water”  -local water quality |

Mrs. Allan – [sallan@hpreg.org](mailto:sallan@hpreg.org)

Mrs. Romano – [rromano@hpreg.org](mailto:rromano@hpreg.org)

***Remember: When sending an email, put your name in the subject line. Make sure you spelled our names correctly. It is a good habit to send your emails to both of us to ensure delivery.***

Standards addressed:

5.1.12.A.3, 5.1.12.B.1, 5.3.12.B.3, 8.1.12.A.1

Experiments: 5.1.C.1, 5.1.B.1, 5.3.D., 5.1.A.1-4, 5.3.12.D.1, 5.1.A.1-4, 5.1.12.B.2, 5.1.12.C.1, 5.1.12.A.3

Water: 5.5.12.A.1