

# ROATAN BILINGUAL SCHOOL

Educator: Melecia Palache

Extra-classwork

Grade: 9

School Year: 2018- 2019

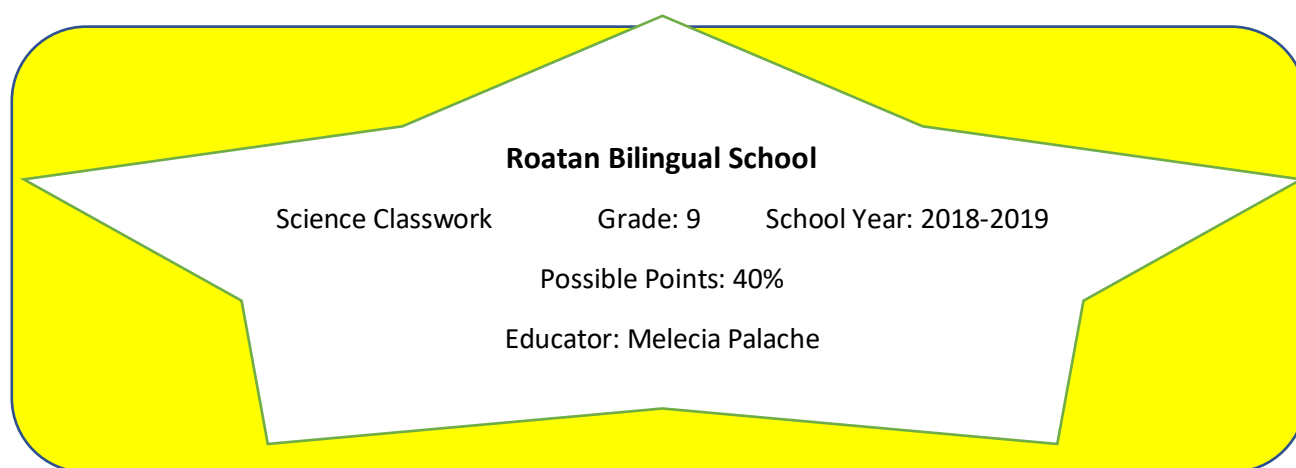
Possible Points: 30%

Subject: Science

1. **Foldable:** Create a foldable using different color folders just like in the pictures below. Write the heading of the assignment and label the folders with 10 different properties of matter. Inside the folder place four pictures that corresponds with the properties. You can select any 10 properties from the ones given to you in class. **4 % Aug 29**

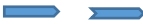


2. **Experiment:** Choose one (1) of the following experiment to illustrate and explain to the class: Magnetism, Bending objects that are solid, Solubility, chemical changes. **4% Sept 05**
3. **Modeling:** Use recycled material to build an atom. The circumference of the atom should be no less than 30 cm. Illustrate the subatomic particles (proton, neutron and electrons). **4% Sept 12**
4. **Worksheet on Matter Classification:** Classify and group matter into like terms. This worksheet will be given to you by your teacher so please check to make sure you have it. **5% Sept 26**
5. **Timeline:** Make a timeline with the date and picture of the scientist that discovered the elements of the periodic table. The timeline can only have a maximum of 12 dates. Create a scale for the date's example: 2000-2005. This should be neat and colorful. **4% Oct 10**
6. **Worksheet on elements:** On this exercise you are required to name the elements, write their symbols, and match them to their origin. **5% Oct 12**
7. **Atomic dating game worksheet:** Atoms are lonely hearts that are constantly in search of partners to bring stability to their lives. Your job is to play matchmaker and make each atom stable by determining how many valence electrons each element needs and finding a partner that will complete the valence energy level. **4% Oct 17**



### **Classwork will be on Tuesdays**

#### **Each classwork values 5%**

1. Observe and write a lab report on the **experiment** about layered density.
2. Use **flashcards** to record the element name, group, oxidation number, state and symbol.
3. **Element crosswords:** Complete the crossword puzzle on the families of the periodic table. Example: noble gases, alkali group etc.
4. **Element concentration:** Arrange the class in pairs. Each student will use construction paper to write the symbol of eight (8) elements twice. They will lay them out on the table, their partner will look at them and then they will be turned over. The partner must try to match the elements by pairing them up. Switch partners. Repeat the process.
5. **Element Bingo Game:** This game is designed to help the students memorize the elements of the periodic table.
6. **Forming Chemical Bonds:** Use construction paper to cut out and illustrate how different chemical bonds can form. 
7. **Dating game to find couples** and bring them together. Your job is to create as many "couples" or molecules as possible from our posters of eligible bachelors and bachelorettes. Start by picking an element and determining the number of valence electrons that it has. Once you have done this, visit the different posters to determine who could be a possible date for that element! You must make at least 5 couples, but you can make more!
8. **Chemical Formulas:** Use the chemtrak to write basic formulas