**MISSION 2:**

**Be a Model Atom. Correctly completing this mission will result in 5 Silver Coins!**

Your mission is to create a 3D model of an atom. It should clearly show the major parts of an atom: the nucleus which is made up of protons and neutrons, and the electrons which travel around the nucleus in a ‘cloud’. Label each part or make a key.

You have this class period to compete your mission. Work with your partner(s) and be creative in using any of the materials provided for this project.

\*You may use your textbook, the internet or any book in our library as a resource.

Ask for help, but you will lose 2 silver coins. Not meeting expectations for behavior will result in the loss of 1 silver coin.

Top 4 models from each class will receive 1 gold coin!

When you are finished with your model, go to flipgrid.com#**24bb7526 and make a 1 minute presentation explaining your element.**

**Model Rubric:**

Model is complete (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Incomplete (0) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Model Key:**

Present and correct (5) \_\_\_\_\_\_\_\_\_\_

Present but incorrect (3) \_\_\_\_\_\_\_\_\_\_

No Key (0) \_\_\_\_\_\_\_\_\_\_

**Model Accuracy:**

Correct number of protons (1) \_\_\_\_\_\_\_\_\_\_ wrong number (0) \_\_\_\_\_\_\_\_\_\_

Correct number of neutrons (1) \_\_\_\_\_\_\_\_\_\_ wrong number (0) \_\_\_\_\_\_\_\_\_\_

Correct number of electrons (1) \_\_\_\_\_\_\_\_\_\_ wrong number (0) \_\_\_\_\_\_\_\_\_\_

**Particle Location:**

The protons are in the correct place (1) \_\_\_\_\_\_\_\_\_\_ wrong place (0) \_\_\_\_\_\_\_\_\_\_

The neutrons are in the correct place (1) \_\_\_\_\_\_\_\_\_\_ wrong place (0) \_\_\_\_\_\_\_\_\_\_

The electrons are in the correct place (1) \_\_\_\_\_\_\_\_\_\_ wrong place (0) \_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ 5 coins (13 points) \_\_\_\_\_ 4 coins (12-11 points) \_\_\_\_\_ 3 coins (10-9 points)

\_\_\_\_\_ 2 coins (8-6 points) \_\_\_\_\_ 1 coin (5-3 points) \_\_\_\_\_ No coins (2-0 points)