SCIENCE AGENDA January 16 - 20th

Content Standard: **MS-PS1-5** Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.

DATE		IN CLASS WORK (Performance Task)	SUCCESS CRITERIA HOMEWORK
Monday January 16th	**No School** **(Martin Luther King Day)**		
Tuesday January 17th	**FOCUS QUESTION** What is the Law of Conservation of Matter?	• Students will review drawing molecules when given a chemical formula. • Students will then learn how to count the atoms to see if there are the same number of atoms on both sides of the equation. This is the Law of Conservation of Matter.	**HW:** None Students will be able to explain what the Law of Conservation of Matter is.
Wednesday January 18th	**FOCUS QUESTION** How can it be determined if in a chemical reaction if the Law of Conservation was true?	• Students will be able to identify the reactants and products in a chemical equation. • Students will be able to draw the molecules in an equation and count the atoms to determine whether or not it follows the Law of Conservation of Matter.	**HW:** None Students will be able to prove whether or not the Law of Conservation is followed in this equation: $\underline{2}Fe_2O_3 + C \longrightarrow Fe + \underline{3}CO_2$
Thursday January 19th	**FOCUS QUESTION** What determines if something will float in water or not?	• Students will guess whether or not something will float and then research to learn why certain things will float in water.	**HW:** Density Worksheet Students will be able to explain which of these things will float in water and why. Aluminum 2.7 g/cm^3 Styrofoam 0.05 g/cm^3 Chalk 1.121 g/cm^3
Friday January 20th	**STUDY GUIDE** **I can** draw a molecule when given the chemical formula. **I can** explain if the Law of Conservation was followed in a chemical equation. **I can** explain when something will float in water or not. **I can** use the formula d = mv to find the density of an object.	**SCIENCE QUIZ** (Matter and Chemical Reactions)	**HW:** None Students will be able to achieve an 80% or better on this science quiz.