**Honors Course Guidelines & Safety Contract Scavenger Hunt**

My Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group Members: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions: Work with your team at your table. Use your course guidelines as well as materials in the classroom to answer the questions.**

1. Find the box that contains the fire blanket. What color is it? How do you think this safety feature will be used? \_\_\_\_\_\_\_\_\_
2. Find the eye washer. What color is the protective plastic cover on the eye washer? \_\_\_\_\_\_\_
3. Find the emergency power shut-off switch. Describe the picture that is above it. \_\_\_\_\_

1. Where would you put broken glass after sweeping it up with a dustpan? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Describe the picture on the bottom of it:

1. What is Mr. Mega’s school phone number? \_\_\_\_-\_\_\_\_\_-\_\_\_\_\_\_\_\_
2. What topics will we be studying this year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What are the materials you should bring to every class?
4. In a general sense, how is the honors class different from the general class?

a. it is the same, we just get more work

b. deeper understanding of concepts, higher level questions, more application

c. different content is studied

d. there is a larger math component

1. What does zero zeros mean? Is the zero zeros policy a punishment?

1. If you are absent….
	* how many days do you have to make-up the work \_\_\_\_\_\_\_
	* how do you figure out what you missed?
2. You ask Mr. Mega at the start of class.
3. You talk to a friend.
4. You check the website.
5. You do not worry about it. You are not required to makeup work when you are absent.

What are the two best ways to find out what you missed?

1. If you have an unexcused absence and you miss an assignment, do you get to make-up the assignment, and if so, how much credit will you receive?
2. If you were absent and you turn in something late, what needs to be written at the top of the paper?
3. If you miss a lab, what is the most likely way I will have you make it up? Where would you find the format?
4. What percent of your grade is composed of quizzes, tests, and the final exam?

 Assignments …

 Tests/quizzes…

 Final Exam…

1. True/False: If you break something during a lab, you will have to pay for the damage resulting from your actions.
2. True/False: If no one is hurt, it is unnecessary to tell Mr. Mega you spilled something.
3. Your BFF Biff says, “Hey, I forgot to do the homework. Let me see your paper.” You give it to him. What consequence could you suffer ~~if you are caught~~ when you are caught? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Skills Unit Learning Map

**Know:**

 4 branches that make up Earth Science

 4 major spheres of Earth

 Observation vs. Inference

 **A system is a group of interacting parts forming a more complex whole**

 **Hypothesis / Theory / Law**

 **Independent / dependent / control / constant**

 1cm3 = 1ml

 Mass and weight

**Difference between bar and line graphs (along with graphing rules)**

Fundamental Units in metrics (direct and indirect measures)

**Understand:**

The Earth system is huge and humans play an important part in that system.

**A hypothesis may become a theory only after continued testing and confirmation of predictions.**

**A good experiment has only one independent variable, keeps as many other variables as possible constant, and uses a control to compare results against.**

Density and Buoyancy are related and have a huge importance in all areas of Earth Science (ex. Layered structure of Earth).

Mass does not change but weight does.

**Science is different from philosophy and religion in that it follows a set of rules and procedures (the scientific method) for obtaining knowledge and finding patterns in nature.**

A triple beam balance measures mass, a scale measures weight.

**Law of Conservation of Mass**

Data points on a line graph determined experimentally are not definite values and so a trend line (NOT connect the dots) should be used in drawing in your graph

**Do:**

 **Identify the variables in an experiment.**

 **Identify design flaws in an experiment and design a better way of testing.**

 **Make equivalency conversions in metrics.**

**Write out numbers from scientific notation and use scientific notation to write numbers and multiply and divide.**

 **\*\*\*Use dimensional analysis to solve problems.**

**Answer essay type questions in PEA format with an emphasis on using evidence in the analysis to explain the answer to the question (scientific writing). Avoid statements like “I believe” or “I feel” and focus more on Such and such “was observed” and “therefore”.**

**Make a hypothesis and develop an experiment for testing your hypothesis**

 **Make an appropriate graph with given data sets**