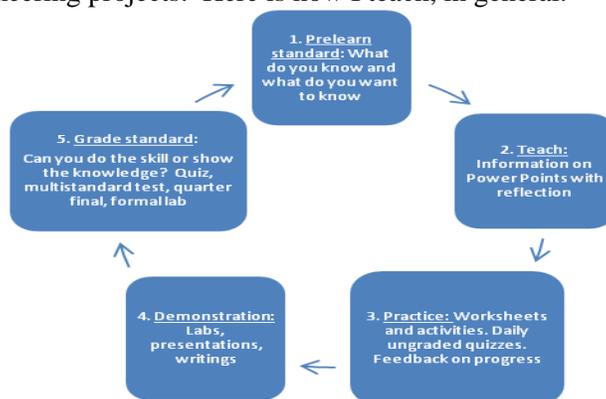


8th Science—2015-2016—Ford

Name: _____ Block: _____

This class will be an overview of the function and behavior of living and non-living things. We will start by discussing the nature of science, will discuss chemistry, physics, earth science, life science and will finish with some fun engineering projects. Here is how I teach, in general:



Here are the topics we will cover, in order:

Semester 1

1st 6 weeks:

1. **Science Process 1,2,3:** Scientific method and lab report (2 weeks)
2. **Chemistry 1:** atoms and the periodic table (2 weeks)
3. **Chemistry 2:** bonding and reactions (2 weeks)

2nd 6 weeks:

1. **Physics 1:** electricity and magnetism (3 weeks)
2. **Physics 2:** waves and light (3 weeks)

3rd 6 weeks:

1. **Geology 1:** earth systems (1 week)
2. **Geology 2:** rocks and minerals (2 weeks)
3. **Geology 3:** plate tectonic theory and surface features (3 weeks)

Semester 2

4th 6 weeks:

1. **Ocean, Weather & Climate 1:** oceanography (2 weeks)
2. **Ocean, Weather & Climate 2:** meteorology (2 weeks)
3. **Ocean, Weather & Climate 3:** human impact and global warming (2 weeks)

5th 6 weeks:

1. **Life 1:** classification of living things (2 weeks)
2. **Life 2:** evolution and population dynamics (2 weeks)
3. **Life 3:** DNA and genetics review (2 weeks)

6th 6 weeks:

1. **Physics 3:** Simple machines and energy (2 weeks)
2. **Engineering design 2:** Forces (bridge and egg drop construction) (2 weeks)

Some Rules: (You will be taught procedures for *what we do each day*, but these are some general rules)

1. Respect others, including the teacher (words, actions)
2. Use clean language
3. Ask permission to leave your seat or lab group (taped lines)
4. Work wholeheartedly during all assignments
5. Clean up after yourself and your group

Consequences: 1. Formal warning/face to face
2. Parent/guardian contact
3. Detention/Buddy teacher (Law 114)
4. Citation

Grading:

Every day, we will be working on posted **learning target(s)** in this course that are developed to make you proficient at a state standard. You will write these in your binder every day.

There are two grading categories:

1. **Formative (informal) assessments (20%):** This consists of your notebook, minor labs, homework, and class assignments. They are meant to inform you about how you are performing, as if it were a summative test. You will get a score of **BEG**inning, **APP**roaching, **MeeTS**, **ADV**anced or **MASt**ery.

2. **Summative (formal) assessments (80%):** This consists of unit tests, formal projects and final exams. You will have one summative grade per learning target, and you **must pass ALL learning targets**. You will be graded on the scale outlined above for formative assessments.

- Questions on learning targets that receive a **BEG** or **APP** **must be improved**. They can be improved orally by coming to class at the end of school, or during the first 5 minutes of lunch.
- Your science binder must be acceptably filled out **BEFORE improving missed questions**.

Notebook:

You will be given a spiral notebook, and make entries in it every day. You will enter information, write questions and a summary of what you learned, and do a creative activity to remember the information. Your warm-ups will start at the back of the notebook and work forward. They'll be stamped.

Lab Groups:

You will be part of a lab group, determined by the playing card taped to your desk. There will be one *black suit* (spade or club) & one *red suit* (heart or diamond) *member* each week. They have special duties.

Entering and Leaving Class:

You will grab/be given your binder, and write the **learning target(s)** and **warm up answers** every day. The *black suit member* of your team will be responsible for distributing and returning binders each day. The *red suit member* will be responsible for returning all materials, cleaning up & putting desks on point.

Homework:

I will put the homework for the week up on the homework board (behind my computer desk) at the start of each week. I will also email it to your parents. You can access the book at **pearsonsuccessnet.com**, **user name:** houck15, houck17, houck18 or houck19 **password:** huskies1

Submitting Class Work:

Work is to be brought to the front and placed by last name alphabetically in the blue alphabetizer. It is to be brought up by your red suit lab member.

Projects:

There are 6 projects—1 per progress report: 1) Personal lab experiment 2) Electrical model house
3) Journal summaries 4) Scientist interview 5) Viral disease poster 6) Engineering projects

Office Hours/Missing Work:

If you miss days, please see me to get make-up work. I have office hours to help you if you need help. They are during the first 10 minutes of lunch, my off period, or after school.

Restroom Use:

You may use the closest restroom, one at a time, writing your name on the board. Please don't ask to go in the first or last 10 min of class, or while we are taking notes. Please use a reasonable amount of time.

Supplies: Please bring 1 pair of Fiskars scissors, 1 pack of colored markers & pencils & 1 roll of clear tape

Parent Signature: _____ **Parent Email (to receive weekly email)** _____