

Welcome to Earth and Environmental Science

Earth and Environmental Science is the study and understanding of Earth's dynamic history. We will discover how Earth 'works' and records its origin and age in rocks and landscapes – how geological processes affect modern environmental and ecological systems. Throughout this course, we will be using a combination of science skills such as, analyzing data, inquiry, and much more to answer questions and critically think about the world around you.



Science Skills

Science Literacy	Students will be able to use various forms of scientific evidence to construct an explanation of the world
Investigations	Students will be able to use models and experiments to investigate and analyze scientific principles.
Graphs and Charts	Students will be able to create and analyze charts, graphs and tables.
Math Applications	Students will be able to apply basic and mathematical computations to scientific principles.

Topics

1. The Universe
2. Sun – Earth – Moon
3. Stars
4. Geologic Time
5. Plate Tectonics
6. Earthquakes
7. Environment



Grading Policy

Grades are based on a total point system. Total points will include: tests, quizzes, homework, labs, projects, and participation. Students should keep a log of their total points earned and total points possible each term. If you fall behind on a grade sheet, please let Ms. Beels know as soon as possible. Grades will be updated and posted on Infinite Campus.

90-100 = A

70-79 = C

80-89 = B

60- 69 = D

59 or lower = F

Rules and Expectations

1. Be prepared and on time for class.
2. Students will be RESPECTFUL of themselves, fellow students, teacher, classroom materials and their work.
3. No food or drink. Only exception is water.
4. No talking when Ms. Beels is explaining something to the class.
5. The classroom is considered to be your 'workplace'. This means that feet on the desks, sitting on tables, not cleaning up after yourself, etc. are not acceptable. Students are responsible for all equipment given to them to use.
6. Carefully follow instructions.
7. There may be a variety of skill levels in this class. I expect you to be aware and tolerant of this situation.

Supplies

1. 1 in. Three Ring Binder
2. Binder Tabs:
 - a. Notes
 - b. Graded Worksheets
 - c. Graded Labs
 - d. Assignments to Complete
 - e. Assignments to Turn In
3. Pencils and/or pens

Policies

Homework

- * Students will have the term to turn in any assignment that was completed during that specific term at no penalty to them. I understand that all students have different ways of learning, which requires more time to learn and grasp concepts. Because I am giving ample amounts of time to complete work, it is suggested that the assignments should be completed before the unit test. In addition, all assignments will be required to be fully completed and neat. If an assignment is turned in half done and messy, it will not count – even if the answers are correct. Again, since I provide plenty of time for assignments to be completed, I expect the assignments to be fully complete.

Lab Work:

- * All students must follow lab procedures and safety
- * All labs must be completed
- * All lab write-ups must be neat and organized
- * Certain labs will be followed up with a proper typed lab write-up

Tests & Quizzes:

- * All tests and quizzes will be announced in advance. If the student is absent during the day of the test, it is the *student's responsibility* to schedule their make up test on the day they return. Tests can be made up after school. If you are absent more than one day, you will have to arrange for a make up. All make up tests must be taken within the time frame according to school policy.
- * IF you fail a test (59% or lower), students have the opportunity to retake the test for a maximum of a 65% after completing the "Request to Retest" form, located on the class website. Students will need to see me for remediation before I give them a retake.

Website

- * www.beelsscience.weebly.com
- * We will be using the website constantly. It is a resource for you. If you are absent, please see the class website (before approaching Ms. Beels) for what we completed that day then make any necessary arrangements with Ms. Beels. There will be a daily agenda posted that is color coordinated according to the unit we are working in. Please see the "Tips for Success" for more information about the website.

Communication

- * The absolute best way to reach Ms. Beels is through e-mail. If you would like to meet in person, on the class website there is a tab for you to book an appointment.

First Homework Assignment: Please review the syllabus with your parent/guardian and sign this bottom portion and return to Ms. Beels.

❖ 5 points Due FRIDAY JANUARY 8th, 2016 ❖

Any questions I can answer? _____

_____ has reviewed the above syllabus with _____

(student name signed)

(parent or guardian signed)