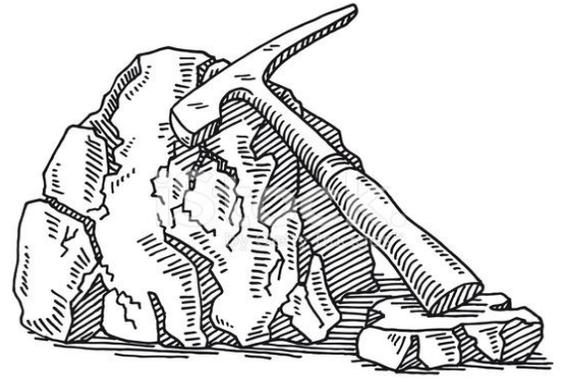




**Earth Sciences
At
Morton High School
2018**



Textbook: Holt: Earth Science

This Earth Science Class is project, discussion and laboratory-based. I expect you to be active participants in their learning process. My class approaches science as a process, not just a series of facts to be memorized. The environment of the class will encourage you to learn through inquiry and activity. Students are expected to think critically, solve problems, work well with others, and communicate effectively.

Think of Earth Science as the forensic science of our planet, we will look at the evidence and try to figure out what happened in the past and what could happen in the future!

The Earth Sciences are an essential part of our lives. If you consider the vast amount of natural resources we utilize in this country to maintain our standard of living, we are dependent on the knowledge obtained through the study of our Planet, otherwise known as, our home!

How will I be graded?

-There are many ways you will earn grades in Earth Science:

1. **Group Work-** Periodically you will be asked to participate in group discussions topics in the Earth sciences. During this group discussion you will have the opportunity to make your opinion heard, in fact it's required that take part in the discussion at some level.
2. **Notebooks-** Although notebooks are **not** graded It is a good idea to keep an up to date notebook which contains all class notes, hand-outs, returned assignments/labs, and a computer disk to store any of your work done in class.
3. **Laboratories-** During each unit you will participate in different lab activities or labs. These labs will be graded according to neatness, accuracy, completeness, and participation.
4. **Research/Projects-**
During each unit you will have the opportunity to utilize the Internet for research. This research will be graded on its own or as part of the lab. There will also be opportunities to present your research during semester.
4. **Assignments-** Textbook questions and reading will be assigned for each unit. Assignments will be announced in class as we cover material. Assignments usually consist of textbook readings, questions, and vocabulary.
5. **Quizzes-** Quizzes will be given that cover notes, labs, and homework assignments. All quizzes will be announced with the exception of open note/lab quizzes.
6. **Tests-** Tests will be given following each unit we cover. Tests are typically multiple choice/short answer. There will also be the occasional essay question. These tests count for a large part of your grade.

Grades: Homework/Quizzes

Research/Projects

Pre-Lab/Labs—Includes participation, pre and post lab questions, and possible write-ups

+ Tests

Total points

What students need to be successful in Mr. Ingwersen's classes:

*Notebook dedicated to this class

Calculator

Textbook

} **Only upon instructors request**

*Writing tool

***Good attendance and participation!**

Extra Credit

Extra credit will be offered throughout the year at my discretion. Most extra credit is given in the form of an extra question(s) added to a laboratory, test, or quiz.

The Road to Success



The best way to succeed in science is to ask questions, participate, attend class, and complete assignments. I also feel that reading your text is vital to success. If students need help, please ask. Completion of their own homework is vital to success and comprehension.

Classroom Rules – Simple and easy to follow:

1. Treat others the same way you would like to be treated.
2. Follow directions the first time that they are given.
3. Be prepared for class every day.
 - a. Book
 - b. Writing utensil
 - c. Homework / Notes
4. Be in the room when the bell rings. Do not line up at the door before the bell rings.
5. Respect yourself and others.
6. No food/drink of any kind in the classroom or lab area—including gum, candy, soda.
7. I expect my students to be in class on time. When a student is absent, it is their responsibility to find out the missed assignments. Homework is due at the beginning of the hour unless otherwise noted.

Expectations:

-Be Responsible-you must always be responsible for your own actions when dealing with your teacher or others around you!

-Be Respectful-you will be treated with respect as long as you show respect towards others (I.E. classmates and teacher)!

-Be Reasonable-you can get a lot out of Earth Science if you will give yourself the chance to explore your curiosity and have fun with science. Do not expect to get more out of this class than you put in.

-Participate- you will find that this class is much more fun, interesting, and informative when you ask questions or participate in class discussion.

-Complete your required work (i.e. notes, labs, and assignments) and you will pass this course and learn a lot in the process.

Goals:

1. Understand the nature of science and how it applies to everyday life.
2. Know and apply concepts that describe the features and processes of the earth and its resources.
3. Develop appropriate work habits, analytical and communication skills: learn and contribute productively as individuals and as members of groups.

What will we learn about in Earth Science?

-During the semester we will cover:

- 1. Geologic Time**
- 2. Earth's internal processes**
- 3. Plate Tectonics**
- 4. The Rock Cycle**
- 5. Rock and Mineral Identification**
- 6. External Earth Processes**
- 7. Groundwater**
- 8. Maps/Earth's Surface**

***This may not be the particular order these topics will be ordered, but we will touch upon all of the subjects.**