

Mrs. Trost—Earth Science 3rd and 4th periods Class Syllabus (2018/2019)

INSTRUCTIONAL GOALS

Course Description

The goal of this class is to build upon scientific inquiry you gained in life science last year, but will be directed on Earth Science branches including geology, oceanography, meteorology, and astronomy, which will also include some sub-branches such as hydrology. The course will follow the Idaho Science Standards at <https://www.sde.idaho.gov/site/science>.

Essential Learning Outcomes:

- Understand and describe Earth's importance within the Universe
- Describe Earth's systems and how they are all interconnected
- Analyze human's dependence on Earth's resources and the impact on Earth's systems

Learning Targets: At the end of this course, more specific items you will be able to do are...

- Use the Earth-sun-moon system to describe patterns of lunar phases, eclipses, seasons and the effects of gravity
- Analyze differences of the planets in the solar system
- Explain how the geologic time scale is used to describe Earth's history
- Describe the cycling of Earth's materials
- Explain how geosciences processes (volcanoes, earthquakes...) have changed Earth's surface
- Explain how distribution of material on the Earth provide evidence of past plate motions
- Describe the cycling of water through Earth's systems based off the sun and gravity
- Understand how air masses results in weather changes
- Describe how uneven heating and rotation of the Earth determine regional climates
- Explain the uneven distribution of Earth's non-renewable resources and how humans affect it
- Identify ways to forecast future catastrophic events and lessen their effects
- Analyze human impact on the environment and discuss ways to minimize those effects
- Describe how rising human populations impact Earth's systems
- Identify factors (including human) that cause climate change

NEEDS AND RESOURCES

Required Background:

To be successful in this course, you must keep an open mind, inquire, work hard, and be able to...

- Perform basic math computations: Add, subtract, multiply, and divide
- Use the scientific method
- Write in complete sentences
- Look for information in a variety of ways: in a textbook, on Google, on YouTube...

Required Materials:

- 3-ring binder (1 to 2 inch) for keeping notes
- textbook: Glencoe Earth Science (provided)
- paper and pencils
- access to the internet*

*Access in keyboarding class comes in handy as well as home. Websites used; www.youtube.com, www.khanacademy.org, www.google.com, and more when needed.

POLICIES AND PROCEDURES

General Rules:

We will follow the four non-negotiables of Priest River Junior High:

1. Students will be in their seat ready to work when the bell ring or they are considered tardy.
2. The proper heading will be present on all papers in the upper right corner with first and last name, period, assignment name, and date
3. Students must use their agenda to leave class. (Two passes per quarter)
4. Students will be Safe, Kind, Respectful, and Responsible.

Specific Policies:

1. No cheating: You are encouraged to work with someone else, but do your own, or you're only cheating yourself.
2. As per school policy, late work is not accepted except for an excused absence. Assignments will be posted on a calendar. It is the **student's** responsibility to copy the assignment from the calendar or to ask for a copy of a worksheet.

3. Homework/Classwork: **All work is to be shown and/or written in complete sentences, restating the question in the answer** and in pencil. Example) *Question:* Describe why water is called H₂O. *Your response:* Water is called H₂O because it has two hydrogen atoms and one oxygen atom that make a water molecule.
UNACCEPTABLE RESPONSE: 2 hydrogen 1 oxygen
* Expect some form of homework an average of 3 days per week.

COURSE SCHEDULE (SUBJECT TO CHANGE)

Semester 1:

Quarter 1 and 2: Each unit will consist of assignments, quizzes, labs/projects, and a test.

Unit 1: Earth's composition

Unit 3: Earth's Internal Processes

Unit 2: Rocks, Minerals, and Resources

Semester 2: There will be an end-of-year final covering highlights of each unit throughout the year.

Quarter 3 and 4: Same criteria as quarter 1 and 2.

Unit 4: Earth's Air and Water

Unit 6: Astronomy

Unit 5: People and the Environment

Grading Policies:

1. Assignments: most will be 5 points and based on percentage **completed**, as we will go over everything in class.
2. Labs/Projects will be worth a varying amount of points based off the difficulty/time involved.
3. Quizzes will be 20 points and based on correctness and the school grading scale. Students do not get all class period to take a quiz (roughly 15 minutes on average) and may not come in at lunch or after school to finish.
4. Tests will be 100 points and based on correctness and the school grading scale. Students get all class period to take a test, but may not come in at lunch or after school to finish a test.
5. Notebooks are worth around 50 points. There will be one due at the end of each quarter. To get full points, students must have their daily notes, in order, in their 3-ring binder and complete the day they are due.
6. Extra credit is given randomly to every student at the teacher's discretion.

CONTACT INFORMATION

email: melanietrost@sd83.org (best way to reach me)

phone: 208-448-1118

Please sign and date the paper attached and have your student return it as this is the first assignment of the class.

Sincerely,

Melanie Trost

I have read **Mrs. Trost's** classroom policies for Earth Science.

Student name (Print) _____

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Parent E-mail _____ **I email updates and study guides, so please put your mailing address if you do not have an email.

Additional questions _____
