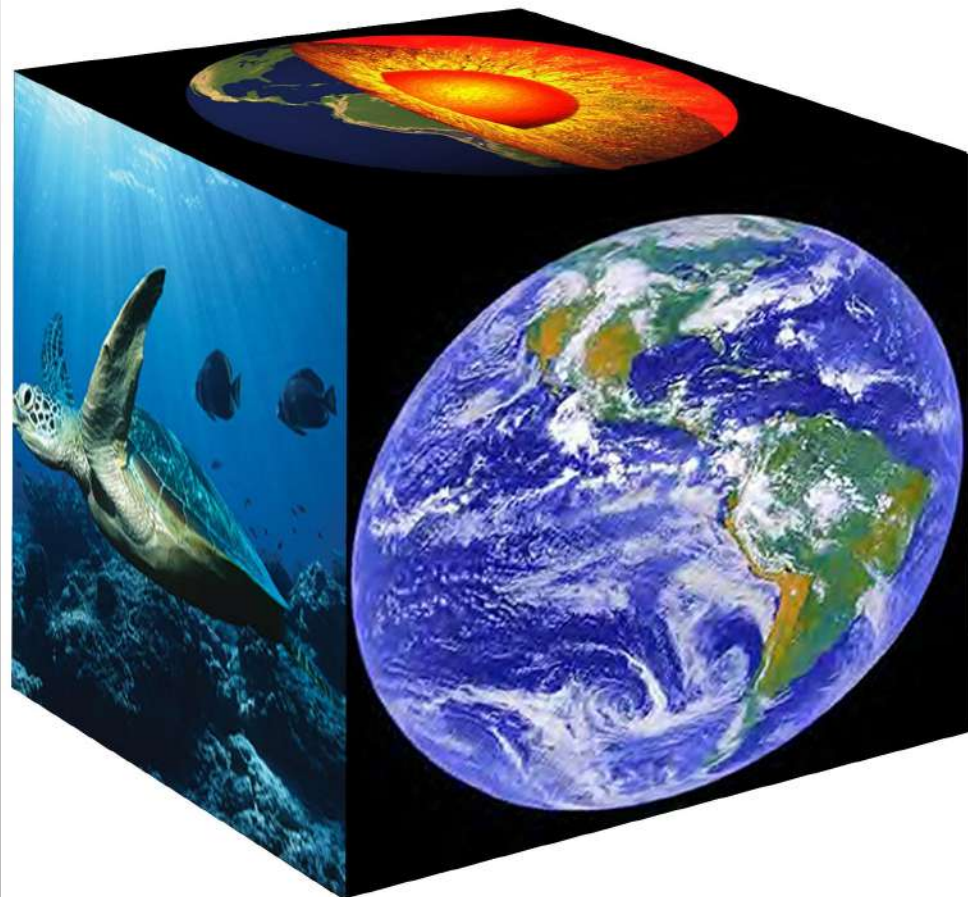


INTRODUCTION TO EARTH SCIENCE



What will we learn?

- Methods of Science (ES A/B)
 - Intro to Earth and Space (ES A)
- Systems of Matter and Energy (ES A)
 - Plate Tectonics (ES A)
- Earth's Changing Surface (ES A)
 - Earth's Water (ES B)
 - The Atmosphere (ES B)
 - Earth's History (ES B)
 - Human Activity (ES B)

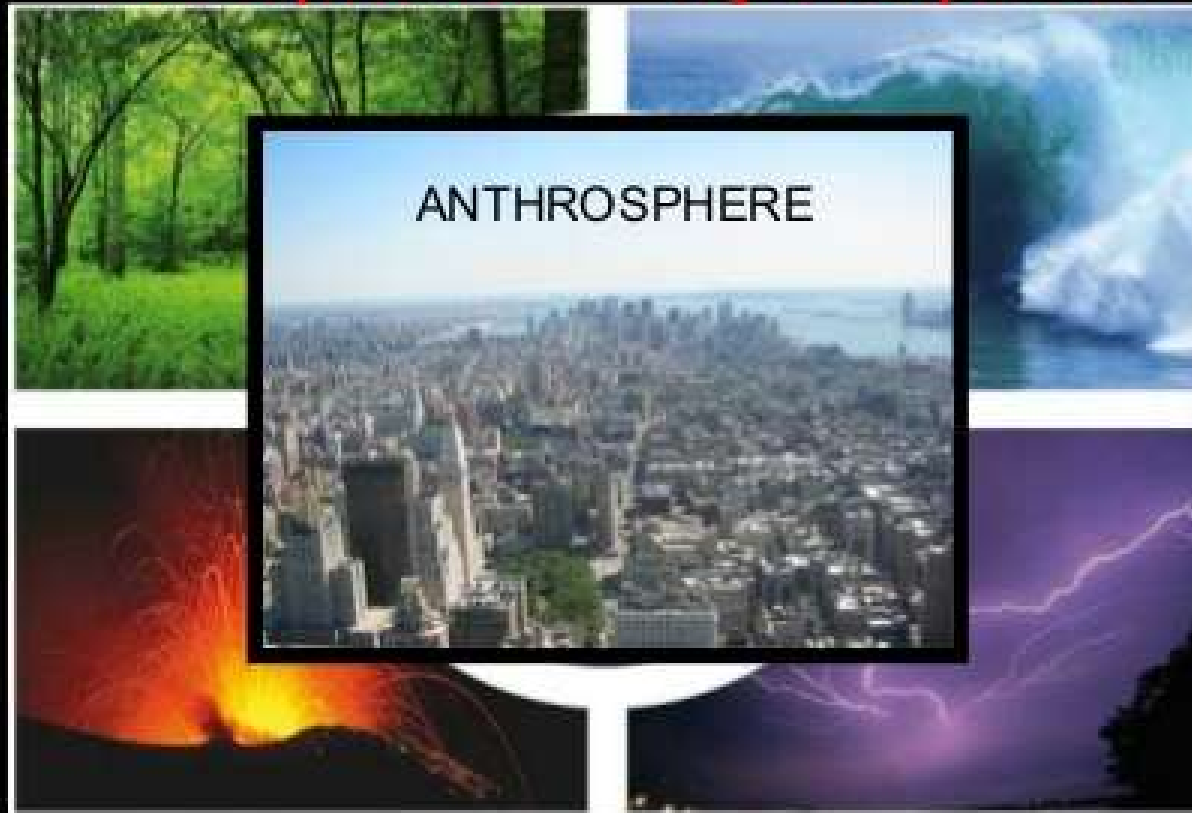
THE EARTH SYSTEM

FIVE

major parts:

Biosphere

Hydrosphere



Geosphere

Atmosphere

Everything in the world around us is built upon the Earth, grows on the Earth, or depends on the environment of the Earth in some way.

Much of human history has been influenced directly or indirectly by earth science.

Today as much as ever, major opportunities and problems are tied to Earth and to our understanding of it.

HAVASU FALLS, ARIZONA



Glacier National Park



How will you be graded?

- Weekly classwork collected in a binder we will set up shortly. I will let you know when they are due. Check the board!
- Labs and other activities that I will collect at the end of the block
- Weekly/mini quizzes - you can use your binder, so make sure you do your work and are not frequently absent!
- Unit tests

Misc stuff

- How will you know your grade?
 - Log in to skyward regularly and look to make sure your grade is accurate. Your advisory teacher should show you how to login, but you need to be responsible and be checking.

Can you turn in late work?


- I will give you 2 late work passes per quarter. Must be attached to the late work. That's it, no excuses.
- If you goof off in my class regularly AND/OR distract other students, you will NOT get this opportunity.
- If you have personal circumstances for why your work is late, talk to me personally after school.

Can you re-do assignments?


- NO!
- I expect you to work hard everyday and will hold you accountable.

Can you retake tests and quizzes?

- NEVER.
- You need to make the effort to learn and do well. Date will be posted for test dates.



How many days do you have to turn in absent work?

- 2 days for each day absent. I will hold you accountable. You have to get your missing work, I will not chase you down and get it to you.
- 

THE EARTH IS BIG!

- DIAMETER (POLE TO POLE) = 12,714 KM
- DIAMETER (EQUATOR) = 12,756 KM
- CIRCUMFERENCE (POLES) = 40,008 KM
- CIRCUMFERENCE (EQUATOR) = 40,075 KM
- MASS = 5.98×10^{27} GRAMS
- DENSITY = 5.52 G/CM³
- DISTANCE TO THE SUN = 149,600,000KM
- RATE OF ROTATION = 23H, 56MIN
- RATE OF REVOLUTION = 365 DAYS, 6HRS, 9MIN

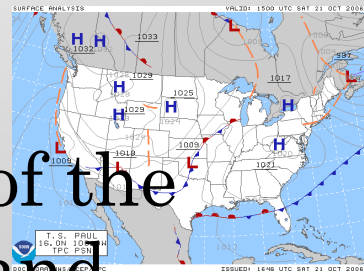


THE SCOPE OF EARTH SCIENCE:



EARTH SCIENCE INCLUDES...

1. Geology – the study of the Earth
1. Oceanography – the study of the ocean
1. Meteorology – the study of the atmosphere and the processes that produce weather
1. Astronomy – the study of the Universe
1. Environmental Science – the study of the relationships of the natural world and the relationships between organisms and their environments.





Class Collage

Find 3 pictures that relate to Earth Science and let's make 1 big collage!



Google Classroom

- Log in to the school google system
- Go to google classroom by clicking on the waffle
- Join our class - code is ab12nt5