

Patrick County High School

Advanced Earth Science Syllabus

Objective: The Earth Science standards connect the study of Earth's composition, Structure, processes, and history; its atmosphere, freshwater, and oceans; and its environment in space. Earth Science at Patrick County High School will be SOL driven and all standards will be covered. Students will gain an in-depth understanding of the subject matter through a variety of teaching strategies, including independent research, hands-on activities and assignments. Students will be expected to complete group as well as individual projects during the course of the semester in preparation for the SOL test at the end of the semester.

Textbook: Glencoe Earth Science: Geology the Environment, and the Universe; 2013

<u>Earth Science Topics and Chapters</u> (in order of presentation)	<u>SOL</u>
<u>Introduction to Earth Science, Scientific Method, Metrics, Safety</u> – Chapter 1	ES.1, 2
<u>Physical Geology</u>	
Maps – Chapter 2	ES.1
Minerals and Rocks – Chapters 4, 5 and 6	ES.4, 5
Plate Tectonics and Landforms – Chapters 17, 18, 19 and 20	ES.1, 2, 7
VA's Tectonic History and Physiographic Provinces	ES.7
<u>Surface Processes of Earth</u> – Chapters 7 and 8	ES.7, 8
<u>Earth's Fresh Water</u> – Chapters 9 and 10	ES.8
<u>Earth's Resources</u> – Chapters 24, 25 and 26	ES.6
<u>Historical Geology</u> – Chapters 21, 22 and 23	ES.9
<u>Meteorology</u> – Chapters 11, 12, 13 and 14	ES.1, 11, 12
<u>Astronomy</u> – Chapters 27, 28, 29 and 30	ES.3,13
<u>Oceanography</u> – Chapters 15 and 16	ES.10

Materials Needed: Textbook, 3-5 subject spiral notebook, composition notebook, mechanical pencil, clear tape

Donated Supplies: Tape, tissues

Grading Policy: Homework – 10%
 Classwork – 10%
 Tests – 20%
 Quizzes – 20%
 Labs, Activities, Projects – 40%

Classroom Expectations:

1. Bring a positive attitude to class and respect the rights of others.
2. Tardiness is bad manners – please be respectful to me and your classmates by being on time and ready to work when the bell rings. You will receive a warning for the first tardy, SAC room for the second and an office referral for any thereafter.
3. Always try your best!!!
4. Bring necessary materials to class. You will be unable to return to your locker once class has started.

5. Attendance is important! We will do many labs and hands-on activities which are difficult to make up.
6. Refrain from damaging school property or the property of others.
7. It is the students' responsibility to make up all missed work. Makeup work will be kept in folders in the classroom where students can easily obtain the work they missed.
8. Everyone has the right to learn-no student will disrupt or disturb the class.
9. The teacher will dismiss the class, not the bell.
10. Class participation is essential, but please raise your hand to be recognized so that everyone can be heard.
11. Follow all school rules.

Please understand that this is an advanced class, indicating a more rigorous workload. There will be projects and other activities within the course that will be used to extend the normal coursework and enrich the learning experience of students.

This syllabus is a guide for Earth Science. All Earth Science SOLs will be taught during the semester. Students will take an End of Course (SOL) test at the end of the semester. A copy of the Earth Science Standards of Learning are available for your reference on my homework page.

Sincerely,

Crystal H. Fain

Please sign and return by Monday, August 15th.

I have read and understand the basic rules and expectations of this class.

Student Signature _____

Date _____

Parent/Guardian Signature _____

Date _____

Parent/Guardian Email _____