Earth Science A/B Syllabus and Course of Study

Teacher: Ravinder Athwal

Course Description:

Hello and welcome to Earth Science! This course is designed to give students the skills needed to be successful in the field of science. Students will learn the process that scientists use to investigate natural phenomenon as well as the major findings in Earth science over the past centuries. Students will work in a number of different learning situations (individually, as pairs, or as a group) to help further their learning of science.

Course Goals:

1. Students will understand key concepts, principles, and theories of Earth science as defined by the California content standards for science. A complete list of these standards may be found at: http://www.cde.ca.gov/be/st/ss/documents/sciencestnd.pdf
2. Students will practice scientific inquiry through active learning.
3. Students will cultivate a love of science and the beauty and complexity of our planet.
4. Students will be able to work effectively in groups as well as work responsibly as an individual inside the classroom.

Course Focus:

The course focus in earth science this year will be on the following topics

- Earth's place in the universe
- Dynamic Earth's process
- Energy in the Earth System
- Biogeochemical cycles
- Structure and Composition of the Atmosphere
- Investigation and experimentation.

Course Assignments:

1. All students will be expected to complete opener activity each day.
2. Students will be offered about 3 to 4 in-class assignments per week. Each assignment will be weighted into an average credit total of ½ of a credit per week. In-class assignments may include: Cornell notes, vocabulary dictionaries or flipbooks, group discussions, games, presentations, videos and class discussions.

3. Students will be given the opportunity to earn extra credit, if the in-class work has been completed and the work is approved by the teacher (with at least 70% accuracy).
4. Students are expected to complete in-class writing assignments.
5. Students are expected to complete all vocabulary assignments.

General Class Rules and Expectations:

1. Respect everyone and everything. Treat others well and expect the same from them.
2. You may drink water in here, but please don't bring other drink or food into class.
3. If you bring headphones, I-pods, cell phones, or other electronic devices to class, keep them turned off and put away. If you disrupt the class with your electronic devices, they will be sent to the office to be held until a guardian picks them up.
4. Be productive during the entire class period – Stay on task!
5. Keep your work, desk, and language clean. Show pride through the quality of your work, not by writing on your desk or anything else in the classroom.
6. Be sure your work is appropriate, complete and turned in on time.
7. Be on time to your class. Being tardy disrupts the class in additions to incurring other consequences.

Credits:

Everyone at Bowman is trying to earn credits. You will have an opportunity to earn a ½ credit per week by coming to class, participating and completing work. Each day there will be a warm-up and another assignment. In order for a student to get credit, he/she must complete both the opener questions (warm-up) and the assignment. For those students that would like to finish the course quickly, there will be extra credit assignments available. I will not accept extra credit work, unless all of the in-class assignments are completed.

ESLR's (Expected School wide Learning Results).

You will be involved in activities that are designed to meet the following Bowman ESLR's:

1. Achieve academic competency.
2. Use technology effectively.
3. Demonstrate critical and creative thinking skills.
4. Gain information to make informed career decisions.
5. Exhibit personal growth, responsibility and good citizenship.
6. Communicate effectively.

Please see attached ***Student Information form*** to read, complete and then return to Ravinder.

Name: _____ Date In: _____

Date Out: _____

Earth Science A

Course of Study

Chapter	Warm-ups	Cornell Notes	Vocabulary	Chapter Assessment
				Credit 1
2- The nature of Science (2.1, 2.2, 2.3)	/20	/20	/10	/10
4-Earth's structure and Motion (4.1, 4.2, 4.3)		/20	/10	/10
				Credit 2
5-Atoms to Minerals (5.1, 5.2, 5.3, 5.4)	/20	/20	/10	/10
6-Rocks (6.1, 6.2, 6.3, 6.4)		/20	/10	/10
				Credit 3
7-Resources and the environment (7.1, 7.2, 7.3)	/20	/20	/10	/10
8-Plate Tectonics (8.1, 8.2, 8.3, 8.4)		/20	/10	/10
				Credit 4
9-Volcanoes (9.1, 9.2, 9.3, 9.4)	/20	/20	/10	/10
10-Earthquakes (10.1, 10.2, 10.3, 10.4)		/20	/10	/10
				Credit 5
Final Assessment: 1. Presentation of what you learned from all eight of the chapters (50 points) 2. A final assessment about these 8 chapters (50 points).				

Cumulative Project/ Final Exam:

_____

Credit/ Grade

____/____ 1st ____/____ 3rd ____/____ 5th ____/____ 7th

____/____ 2nd ____/____ 4th ____/____ 6th ____/____ 8th

Name: _____ Date In: _____

Date Out: _____

Earth Science B

Course of Study

Chapter	Warm-ups	Cornell Notes	Vocabulary	Chapter Assessment
				Credit 1
11-Mountain Building (11.1, 11.2, 11.3)	/20	/20	/10	/10
12-Weathering , Soil, and Erosion (12.1, 12.2, 12.3, 12.4)		/20	/10	/10
				Credit 2
17-Atmosphere (17.1, 17.2, 17.3, 17.4)	/20	/20	/10	/10
20- Weather (20.1, 20.2, 20.3, 20.4, 20.5)		/20	/10	/10
				Credit 3
25-Earth's Moon (25.1, 25.2)	/20	/20	/10	/10
26-The Sun and the Solar System (26.1, 26.2)		/20	/10	/10
				Credit 4
27-The Planets and the Solar System (27.1, 27.2, 27.3, 27.4)	/20	/20	/10	/10
29-Studying the Past (29.1, 29.2, 29.3)		/20	/10	/10
				Credit 5
Final Assessment: 1. Presentation of what you learned from all eight of the chapters (50 points) 2. A final assessment about these 8 chapters (50 points).				

Credit/ Grade

____/____ 1st ____/____ 3rd ____/____ 5th ____/____ 7th

____/____ 2nd ____/____ 4th ____/____ 6th ____/____ 8th