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EARTH SCIENCE

In these pages, you will find the syllabus, vocabulary, assignments and information for the subject. Please review this site regularly to receive updated information.

EARTH SCIENCE SYLLABUS

TEACHER: Ms. J. Mitchell

SCHOOL: Kenwood High School; Chicago, IL

COURSE DESCRIPTION

the structure and organization of all things change and continue to change over time. This course will involve the detailed study of the Earth, the universe and the changes that affect it. We will study how the earth was formed, the geological formation of the earth as well as the Earth's place and function in the universe. All factors affect the earth will be studies, including weather, natural disasters, oceanography and many, many more.

This is a two-semester course. In the first semester, we will cover the evolution of the universe and the evolution of the earth and life on the earth. In the second semester, we will cover Energy, natural resources, and recycling. This class will address State Goals #11, 12 and 13.

GRADES	GRADE BREAKDOWN
94-100 = A	NOTEBOOK = 20%
88-93 = B	HOMEWORK = 15%
80-87 = C	LAB PROJECTS = 15%
74-79 = D	INTERNET & RESEARCH PROJECTS = 20%
0-73 = F	CLASSWORK/PARTICIPATION = 15%
	QUIZZES AND TESTS = 15%

NOTEBOOK: Each student must keep a notebook with vocabulary words and their definitions, classroom notes and their grades for specific assignments.

HOMEWORK: Homework will be given four (4) days out of every week. Unless another homework assignment is given, a student is to consider studying 20 minutes every day as homework.

LAB PROJECTS: There will be a minimum of 10 lab projects that must be completed. They will vary based on subject and skill.

INTERNET & RESEARCH PROJECTS: Throughout the course, each student will be required to complete the following:

- 1 detailed evaluation of an internet science site
- Design one web page on an assigned topic
- 2 research papers, one each semester that must be presented/taught to the class.

CLASSWORK/PARTICIPATION: Each student is responsible for completing all class work and participating actively in all classroom discussions, group projects and assignments. Participation includes being respectful of other class members, the teacher and any visitors.

QUIZZES/TESTS: After each unit, there will be a scheduled test. Further, quizzes will be given periodically throughout the semester. Some quizzes will be unannounced.

TEXTBOOK:

REQUIRED MATERIAL: Notebook and Folder

INTRODUCTORY LESSON

The objective of this lesson is to promote student involvement in an academic subject using the Internet. This unit will introduce the IMSA Metasearch Utility program to the students as a means of beginning research and exploration. This introductory lesson has several parts and will take three days to complete.

(NOTE: This is based on 50-minute classes. Block scheduled classes should complete this process in one (1) class period.)

Part 1-Day One

- Take attendance, complete information cards etc.
- Start the lesson by asking the students what they believe they will study in an earth science class.
- Take various answers from the class and note them on the board.

- Explain to the student that Earth Science is the study of many things. However, you won't tell them, what those things are. Their assignment will be to use the Internet to determine what the study of Earth Science covers.
- Explain to the students that tomorrow, they will use the Internet to research what exactly is Earth Science.
- Point out the answers they gave on the bulletin board. Tell them that these words are their initial search terms.
- Have students write the list in their notebooks.
- Review domains with children. Make sure they take them down in their notebooks.
- Homework = coming up with an even more existing lists.

Part 2

- Remind student that they are trying to define Earth Science
- Review Synonyms with the students.
- Point out the answers they gave on the bulletin board.
- Have the students use a few of the words from the board to brainstorm synonyms for them.
- Have the students add this list to the list from the board.
- Review search Domains with the students

Part 3-Day Two

- In the lab, have student open the site <http://toolkit.imsa.edu/locate/>
- Have them click on SEARCH MAPPING
- Click on ACCOUNT ADMINISTRATION TOOLS in the TK Trak box
- Click on CREATE
- Fill in the relevant data
- Click Create
- Click on TOP TEN TIPS and review with the students.
- Click on SEARCH ENGINE INTERFACE and begin your search
- **Walk the room and facilitate the process.
- As you see interesting searches, or problems, create short breaks for helpful hints or reviews of the Top Ten Tips.

Part 4-Day Three

- Classroom discussion and share.
- Have students brainstorm a course description for Earth Science based on their searches.
- Review the "new syllabus."
- Begin class.

HELPFUL SITES

[EarthKAM](#)

[NASA](#)

[USGS CASCADES VOLCANO OBSERVATORY](#)

[EARTH SCIENCE BROWSER](#)

[Mail Comments to Ms. Mitchell](#)

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