

NORTHSIDE CHRISTIAN SCHOOL
7th GRADE SCIENCE
EARTH SCIENCE 2009/2010

GOALS:

- 1) To appreciate the majesty of the earth and universe as it reveals God's wondrous and creative hand,
- 2) To gain an understanding of the tremendous forces that shape and change the Earth's surface,
- 3) To understand how the "spheres" of the earth are completely inter-related,
- 4) To provide activities, demonstrations and labs to support and gain further insight of the many dimensions of earth science,
- 5) To understand earth science in light of Biblical teaching concerning creation and the flood and comparing it to modern evolutionary and geological theories.

TEXT: Space & Earth Science, 3rd Edition, Bob Jones University Press, 2005.

CLASS NEEDS:

- 1) Separate spiral notebook for notes (no three-ring binders)
- 2) Folder with pockets for handouts, worksheets, and homework
- 3) **Bring you text book to every class**

ACTIVITIES: *(I love teaching in a variety of ways and you will enjoy learning in a variety of different ways)*

- 1) Text book reading (This will always be a basic requirement)
- 2) Test (I use a variety of test questions and the test will be over the chapters and/or sections in text) – **Key in on your notes from class**
- 3) Quizzes over reading and/or sections from chapter.
- 4) Drawings
- 5) Laboratory experiments and demonstrations
- 6) Internet activities
- 7) Worksheets activities
- 8) Individual and group presentations

REQUIREMENTS AND GRADING:

- 1) Your grade for each nine weeks will be based upon a total point system from the activities above. Test grades will always be figured as a percent and will be worth 100 points. Because the activities and assignments offered during a grading period will vary, the breakdown and total points for a grading period will vary.
- 2) **If you are absent, it becomes your responsibility to:**
 - a. Get the missed notes from a fellow student/s as soon as you return – **you must ask. This is the number one problem of most students.** *After you copy the notes please don't hesitate to come to see the teacher for further explanation and understanding.*
 - b. Obtain any missed handouts, worksheets from the teacher – **you must ask**
 - c. Obtain an understanding for any assignments that were given while you were absent – **you must ask.**

- d. **You must** make up and turn in any homework, quizzes, labs, worksheets, projects, test and quizzes
- 3) It is not my standard policy to have individual students retake test and quizzes because of a low test grade. There may be times when I will permit the entire class to retake a test if the entire class does poorly. This hardly every happens.
- 4) Students and parents can check your present grade using Headmaster online

STANDARD MAKE-UP POLICY: Adopted by NCS MS and HS fall 2008

1. The new grading program can provide a weekly report of missed assignments. This list will be posted in each class on **Mondays** showing students and assignments that must be made up. **More details to follow.**
2. **You must** turn in all homework, assignments, and lab reports and make up quizzes, test, and lab experiment in the event of absence.
3. If you have a planed absence, you are required to fill out a planed absence form at least one week prior to the absence dates. You may obtain these forms from the office.
3. Added note – ***Just do your work, please*** – Yes, I can give HW notices, call Dad or Mom, give detentions, and talk to you concerning your lack of Christian character that is displayed by not doing your work or making up your work when you are required to do so. I want you to be successful in science and in your Christian life.

EARTH SCIENCE CONTENT

- INTRODUCTION TO THE EARTH and SCIENCE
 - THE EARTH'S SPHERES
 - WORLD VIEW OF SCIENCE
 - CHRISTIAN VIEW OF SCIENCE
 - CAN WE AGREE OR DO WE HAVE TO DISAGREE?
 - THE SCIENTIFIC METHOD
- THE LITHOSPHERE
 - THE LAYERS
 - ELEMENTS, MINERAL AND COMPOUNDS
 - THE ROCKS AND THE ROCK CYCLE
 - FOSSILS
 - GEOLOGICAL TIME
- THE HYDOLOGICAL CYCLE INTERACTS WITH THE LITHOSPHERE
 - WEATHERING
 - MASS WASTING
 - SUBSIDENCE
 - STREAM PROFILE
 - GROUND WATER
 - KARST TOPOGRAPHY
 - GLACERIES

- PLATE TECTONICS
 - CONTINENTAL CHANGES
 - FAULT LINES AND BOUNDARIES
 - MOUNTAIN BUILDING
 - EARTHQUAKES
 - VOLCANOES
 - GEOLOGICAL HOT SPOTS
- THE HYDROSPHERE
 - OCEANS AND SEAS
 - OCEAN CURRENTS
 - OCEAN TIDES
 - OCEAN WAVES
 - OCEAN TOPOGRAPHY
- THE ATMOSPHERE
 - LAYERS OF THE ATMOSPHERE
 - MOISTURE
 - THE GLOBAL WARMING ISSUE
 - PRESSURE SYSTEMS
 - CLOUDS
 - PRECIPITATION
 - TORNADOES.
 - HURRICANES
 - FORECASTING THE WEATHER

And He (God) said, Go forth (Elijah), and stand upon the mount before the Lord. And, behold, the Lord passed by, and a great and strong wind rent the mountains, and brake in pieces the rocks before the Lord: but the Lord was not in the wind: and after the wind an earthquake; but the Lord was not in the earthquake: And after the earthquake a fire; but the Lord was not in the fire: and after the fire a still small voice.

I Kings 19:11-12

I have read and reviewed this syllabus with my child to help them understand the requirements for this middle school 7th grade class. Please don't hesitate to call me or email me if you have any questions. For emailing, go to the website: <http://www.ncslions.org/faculty.asp> and click on my name.

Parent's Signature - _____