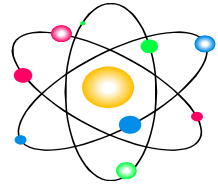




7th Grade Science Mrs. Bunnell



COURSE DESCRIPTION: A student-orientated curriculum with a hands-on approach to the physical, biological and earth sciences. This course encourages students to become scientists. Students will design experiments, predict outcomes, test hypothesis and draw conclusions from their own observations.

TEXTS: We are currently using a science series for grades 6-9 which is a modular series consisting of 15 textbooks published by Glencoe McGraw-Hill. Each grade level will cover five of the modules. The textbooks being covered in 7th grade are listed below.

From Bacteria to Plants

The Nature of Matter

The Changing Surfaces of the Earth

The Air Around You

Animal Diversity

SCIENCE CURRICULUM

- I. Scientific Method
 - A. Radish Experiment
 - B. Science Project

- II. Bacteria to Plants
 - A. Plant Communication
 - B. Bacteria
 - C. Nonseed Plants/Algae
 - D. Seed Plants
 - E. Photosynthesis & Respiration

- III. Chemistry/The Nature of Matter
 - A. Model of the Atom
 - B. The Periodic Table
 - C. Compounds & Mixtures
 - D. States of Matter and Properties
 - E. Physical & Chemical Changes

- IV. The Changing Surfaces of the Earth
 - A. Fossils
 - B. Rock Layers

- V. The Air Around You
 - A. El Nino and La Nina
 - B. Greenhouse Effect & Global Warming

- VI. Invertebrates
 - A. Animal Adaptation & Classification
 - B. Study of the Eight Largest Invertebrate Phyla
 1. Dissection: Earthworm
 2. Dissection: Crayfish
 3. Power Point Presentations

BINDER REQUIREMENT: Each student will need a 3-ring binder with divider tabs. Students will keep all general handouts, labs, homework assignments and notes in the designated sections. At the end of the trimester the binder will be collected and will be worth 40 points.

HOMEWORK POLICY: Homework is due at the beginning of each class period. If homework is not turned in at this time it is considered LATE and the assignment will reflect a point reduction.

GRADING POLICY:

QUIZ	15 - 40 Points
TEST	50 – 100 Points
LABS	10 – 25 Points
HOMEWORK	10 – 20 Points
NOTEBOOK	40 Points

PHONE CALLS: M - F 11:00 – 11:30, MWF 2:25 – 3:00

If you are unable to reach me at these times, please leave a voice mail and I will return your call as soon as possible. I encourage the use of e-mail correspondence for a quick response.

e-mail: dbunnell@fsd157c.org

phone: 815-469-4474

SCIENCE PROJECT REQUIREMENTS

Each student will be required to complete a Science Project. The requirements and schedule for completing the project are listed below.

- I. **WRITTEN REPORT:** Must be typed and include the following in this order.
 - Cover Page
 - Table of Contents
 - Acknowledgements
 - Purpose
 - Hypothesis
 - Review of Literature (Research)
 - List of Materials
 - Numbered List of Procedures
 - Data Chart/Table
 - Graph(s)
 - Conclusion
 - Bibliography
- II. **ORAL REPORT:** (5-8 Minutes)
 - State Topic
 - State Purpose and Hypothesis
 - Explain some interesting facts learned from the research
 - Describe the procedures in your own words
 - Bring in the set-up of the project (If this is not possible – pictures are a must!)
 - State how you controlled the experiment
 - State your variable(s)
 - Explain your results and graphs
 - Read your conclusion
- III. **DISPLAY BOARD** – Details are in Science Fair packet of information.

Science Project Due Dates

Topic	Sept. 11, 2009
Purpose & Hypothesis	Sept. 18, 2009
Variable/Control/Set-up	Oct. 1, 2009
Materials & Procedures	Oct. 15, 2009
Data Table/Chart	Oct. 29, 2009
<u>Suggested Starting Date of Experiment</u>	Oct 30, 2009
Research/Bibliography	Nov. 19, 2009
Final Data Should be Collect By	Nov. 30, 2009
Data & Rough Draft of Graph(s)	Dec. 10, 2009
Project Due	Jan. 5, 2010

*NOTE: Students will have the option of presenting their project before Christmas break or after break. Arrangements must be made in advance with the classroom teacher.

