

**8th Grade Physical Science Syllabus - Webb Bridge Middle School
2008-2009**

Teacher: Cindy Runzo

E-mail: runzo@fultonschools.org

Teacher's Website: www.schoolnotes.com

School phone number: 770-667-2940

Textbook:

Holt Science and Technology: Physical Science. Holt, Reinhart, Winston (2008)
Replacement price: \$70.75

Course Description: Science of the Physical World

The 8th Grade Physical Science curriculum continues students' investigations of the physical sciences that began in Grades K-8 (see the Fulton County System Wide Science Vertical Instructional Framework) <http://www.fultonschools.org/dept/curriculum>. The course is designed to provide students with the necessary knowledge and skills in physics. Physics extends the physical sciences to more abstract concepts including interactions of matter and energy, velocity, acceleration, forces, energy, momentum, and charge. These concepts are investigated through laboratory experiences and fieldwork designed for students to develop appropriate knowledge and skills in science as inquiry. Goals and objectives for students with Individual Education Plans will be addressed in this course.

Course Outline for the Year

First Semester	Second Semester
Scientific Inquiry, Safety Procedures	Forms/Sources of Energy
Measurement/Metrics	Heat/Temperature
Matter/Atoms/Molecules: Elements, Mixtures and Compounds	Waves
Physical and Chemical Properties	Sound
Periodic Table	Light/ color / mirrors
Chemical Symbols	Electromagnetic spectrum
Chemical Formulas/Equations/Bonding	Electricity
Forces and Motion	Magnets
Simple machines	Electromagnetism
Gravity	

Grading Scheme

Students' grades will be calculated using a weighted average method. The distribution of the final grade will be as follows:

Tests	- 30% of total grade
Quizzes	- 20% of total grade
Labs	- 20% of total grade
Class work	- 15% of total grade
Homework	- 15% of total grade

Grading Scale

A=90-100
B=80-89
C=70-79
F=below 70