

## 8<sup>th</sup> Grade Physical Science Syllabus

2009 - 2010

Haynes Bridge Middle School

(770) 740-7030

<b>Teacher :</b> Mrs. Sandra Bennett	Textbook: <u>Physical Science</u> Holt Science & Technology
<b>Email Address:</b> <a href="mailto:bennetts@fultonschools.org">bennetts@fultonschools.org</a>	Replacement Cost: \$70.75
<b>Teacher Website:</b> <a href="http://ssbennett.weebly.com/">http://ssbennett.weebly.com/</a>	
Holt Online Holt Learning Website: <a href="http://www.hrw.com">www.hrw.com</a> ; Students will be given a user name and password by the teacher.	

### **Course Overview:**

Physical Science provides students the opportunity to learn about lab safety, the use of reference materials and the application of process skills. Students gain an understanding of the properties of matter, atomic theory, periodic law, energy, heat energy, forces and motion, machines and work, sound, electromagnetic waves, static electricity, electrical circuits and magnetism.

### **Course Content**

First Semester:
❖ Characteristics of Science and Safety
❖ Characteristics of Matter (Chemistry)
❖ Begin Force and Gravity
Second Semester:
❖ Complete Force and Gravity
❖ Work and Machines
❖ Energy
❖ Waves
❖ Electromagnetism

### **Concepts and Skills**

Throughout the year we will focus on a variety of concepts that are not only important in science, but have life skills applications as well.

- ❖ Organizing information
- ❖ Thinking critically
- ❖ Using the scientific process
- ❖ Representing and applying data
- ❖ Measuring in SI (metrics)
- ❖ Classifying and sequencing
- ❖ Making and using charts, tables and graphs

### **Teacher/Academic Expectations:**

- Students are expected to be prepared for class with all necessary materials.
- Students should be polite and considerate of others.
- Students should be willing to participate in class in an appropriate manner raising his/her hand, refraining from blurting out, staying focused and on task, sharing relevant material/ideas.
- Students should complete all assignments in a timely manner.
- All student assignments should be brought to class in a neat and organized manner.