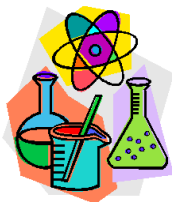


## FORSYTH COUNTY COURSE SYLLABUS 2012-2013

COURSE TITLE:	<b>Physical Science</b>		
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**Course Description:** This is a survey course investigating the physical sciences. There are 2 major sections. The first of these categories is introductory physics, which will be covered during the first semester. The second section is introductory chemistry, which will be studied throughout the second semester. Learning takes place via labs, demonstrations, direct instruction, reading, and writing. A state mandated End of Course Test (EOCT) is required and counts 20% of the student's overall course grade.



**Standards:** Course Standards can be found at [www.georgiastandards.org](http://www.georgiastandards.org) or you can also find a link to them on the Forsyth County Schools website.

**Units** (these should be labeled on binder divider tabs):

1 – Intro to Physical Science	7 – Matter, Phases, & Solutions
2 – Motion & Forces	8 – The Atom, Periodic Table, & Radioactivity
3 – Work & Power	9 – Chemical Formulas & Bonding
4 – Energy	10 – Chemical Reactions
5 – Waves	11 – Acids & Bases
6 – Electricity & Magnetism	EOCT Prep*

A unit test will conclude each unit of study.

### Learning Resources/Textbook:

With the emergence of technology as a tool for learning, South Forsyth High School will be utilizing various resources to assist with instruction, including ANGEL, online textbooks, and interactive websites. In addition to these web based instructional tools, this course also will have a classroom set of textbooks. Should you feel that your child would benefit from having a textbook at home in addition to the classroom textbook, please contact your child's teacher.

Glencoe Science Physical Science, 2008. McGraw-Hill Companies, Inc., Columbus, OH.  
ISBN: 978-0-07-878533-7

<http://glencoe.com/ose/>

**Required Assignments:** There will be approximately 11 unit tests during the course as well as various performance based assessments that require writing, research, and creativity. The number of formative grades such as quizzes, homework, etc. will be determined along the course of the school year.

**Items need for class:**

- Pen (blue or black ink) and pencil
- Three ring binder (at least 2 inch) dedicated for Physical Science only
- Loose leaf paper
- Calculator

**Extra Help: *Instructional Focus***—this is a GREAT time for small group help; ask me for a pass! I am available every Tuesday and Friday morning at 7:45 for extra help and exam review or other times by appointment.

**Makeup Work:** When students are absent from school, they are responsible for all missed work and assessments. A student who is absent on the class day immediately before a regularly scheduled assessment/assignment will be responsible for completing the assessment/assignment on the regularly scheduled day and time. Students who have been absent will be given five (5) school days to make up the assessment and/or other assignments. **This does not include major projects, research papers, tests, etc. where the deadline/date has been posted in advance.** *The teacher has the discretion to grant a longer period of time to make up work if there are extenuating circumstances.*

**Assignments and handouts given out in class will be posted on ANGEL. We will also utilize ANGEL as a posting point for class announcements as well as other class resources.**

To access ANGEL use the following website: <https://forsyth.angelllearning.com/>

**Late Work:** Homework must be completed on the day it is due. Long-term projects must be turned in on the previously scheduled date. If a student is absent on that day, they must turn in the project the day they return to possibly receive full credit. For every day late thereafter, the highest possible grade will be a 70 and will only be accepted before the unit test is administered. All other late work will be handled on a case-by-case basis: *students must see me in extenuating circumstances.*

**Grading Calculations:**

Course Average = 40% (1<sup>ST</sup> Sem. Course Work) + 40% (2<sup>ND</sup> Sem. Course Work) + 20% EOCT  
1<sup>ST</sup> & 2<sup>ND</sup> Semester Course Work = 75% Summative + 25% Formative

**Grading Policy:**

A = 90 – 100	C = 70 – 79
B = 80 - 89	Failing = Below 70

**Summative grades** are assignments/assessments such as unit tests, projects, essays, research papers, and presentations which may integrate multiple standards. These grades reflect student mastery of standards after the learning activity is completed and count as 75% of each semester average.

**Formative grades** are assignments such as homework, class work, quizzes, drafts or portions of essays, projects, research papers, and presentations. They provide practice while learning. These assignments, observations, and conversations are used to inform both the teacher and student about the learning process and lead to potential success on summative assessments. They count as 25% of each semester average.

The **End-of-Course Test (EOCT)** is a cumulative standardized assessment which counts as 20% of the overall course average. It is given upon completion of a specific course. EOCT courses are determined by state graduation requirements.

**Work Habits** are behaviors that have the potential to increase academic achievement, promote lifelong learning, and foster personal accountability.

### **Middle and High School Work Habit Categories and Scoring**

**1: Does not meet 2: Meets 3: Exceeds**

#### **Responsibility (RE)**

The student adapts to classroom practices.

1. Requires frequent redirection; strays off-task; disrupts learning environment; fails to follow class procedures.
2. **Is a self-starter; remains on-task; asks questions for clarifications when needed; applies strategies for meeting learning goals; follows class procedures.**
3. Displays independent initiative; maximizes opportunities; solves problems.

#### **Participation (PA)**

The student pursues learning through active involvement.

1. Disengages from the learning environment; responds only to teacher prompts.
2. **Engages in activities and discussions.**
3. Leads others to participate; explores new class ideas and approaches.

#### **Assignment Completion (AC)**

The student completes work by the designated time/date and according to directions.

1. Fails to complete assignments or submit work; struggles to follow directions.
2. **Produces completed work on a consistent basis by the designated time/date; follows directions.**
3. Demonstrates new applications and examples of standard; exceeds assignment expectations; extends personal learning.

#### **Interpersonal Skills (IS)**

The student interacts with others to create a positive learning environment.

1. Lacks flexibility when working with peers; isolates self.
2. **Works well with peers; listens and speaks respectfully; questions ideas rather than the person.**
3. Adjusts to a variety of classroom roles; mediates; influences others to learn.