

**Gateway Physical Science
COURSE SYLLABUS
2011-2012**

Course Title: Physical Science

Instructor's Name: Mrs. Votodian

Contact Numbers: 303-326-4469

School e-mail address: kmvotodian@aps.k12.co.us

Website address:

http://www.aps.k12.co.us/gateway/academics/science_dept_pages/votodian/Mrs.VotodiansHomepage.html

Teacher availability: 6th and 7th period; after school by appointment.

COURSE STANDARDS/Essential Learning

1st Quarter : Physics

Scientific Method-Science process and data analysis

Kinematics – speed, acceleration

Laws of Motion

Heat Energy

Conservation of Mass and Energy

2nd Quarter : Chemistry

Periodic Table

Atomic Structure and Bonding

Physical and Chemical Properties

Chemical Equations and Reactions

3rd Quarter : Astronomy

Size and Scale of the Solar System

Gravity in Celestial Systems

Light and Sound Waves

Electromagnetic Radiation and Stars

Earth's Interior

4th Quarter:

Earth Science

Energy in the Atmosphere

Weather and Climate

Natural Resources

Policies & procedures for:

- **Homework**-Homework leads to success! Homework is due at the beginning of class.
- **Hall passes** – Limited number will be given.
- **Tardies** –Excessive tardies will require an after school detention.
- **Food/Drinks**– School rules prohibit food or drink (except water) in classrooms.
- **Bathroom pass**
 - No passes given during the first or last 10 minutes of class.
 - Students must show a student ID before a pass is given.
 - A bathroom pass is only valid for 5 minutes. Students will owe time if they spend more than 5 minutes out of class.
- **Electronic Devices:**
 - At your own risk – you are responsible for your equipment.
 - I will ask students to place electronic devices on the desktop.
 - Can be used only when class permission is given.

➤ **Supplies:**

Required Materials:

Composition Notebook (or \$1 to purchase)
Spiral Notebook (or 50¢ to purchase)
100 3x5 Notecards
 box of Kleenex
 roll of paper towels
pen or pencil

Desired materials:

Graph paper
 Colored pencils/ markers
 calculator
 ruler
 compass

Work, Absences, Grading:

Expectations for work habits: Students are expected to be on task, and focused on the learning goals and success criteria for the day.

Policies for absences and make-up work: Students are responsible for all material taught during class, even if you are absent. Any work is due by the grading cut off dates are as listed below. These dates are final due dates, not the date that students need to see me to get their missing work.

	Work due for Conferences	Work due for Quarter
First Quarter	August 26, 2011	September 30, 2011
Second Quarter	November 4, 2011	December 16, 2011
Third Quarter	February 1, 2012	March 2, 2012
Fourth Quarter	TBD	May 18, 2012

Grades: Course grades will be based on formative assignments which include daily assignments, class or lab participation and completion, and homework; and summative assignments which include quizzes, tests, lab conclusions, and projects. Students must realize that the greatest evidence for grading are the summative assignments.

Words to denote progress	What the word/letter grade means	Letter grade	Percent Calc.
Advanced	Advanced proficiency on most summative work. The student consistently and independently demonstrates proficiency in grade level concepts and skills in a variety of assignments and assessments and demonstrates advanced application/analysis when the opportunity exists.	A	100%
Proficient (Meets target independently)	Most summative work is at proficient level with some possibly above or below. The student demonstrates proficiency in grade level concepts and skills in a variety of assignments and assessments.	B	90%
Partially Proficient (Meets the target with some teacher support)	Summative work shows some work at proficient level the rest could be below as long as formative work such as homework and class work is completed. This shows that the student is working toward proficiency. The student demonstrates understanding and application of the most critical of the grade level skills concepts.	C	80%
Unsatisfactory (Does not meet target, but is making progress)	Summative work shows partially proficient, and not all formative work is completed. The student demonstrates limited understanding and application of grade level skills and content; the student needs more instruction and/or practice to demonstrate proficiency.	D	61%
Insufficient Evidence No Evidence	No proficiency on any summative work, and little if any formative work complete. The student has shown insufficient evidence to gauge his/her progress.	F	50%