

**Gateway Biology
COURSE SYLLABUS
2010-2011**

Course Title: Biology

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: 4-Yellow and 1-Orange

COURSE STANDARDS/Essential Learning

1st Quarter

Scientific Method-How is science done?

Ecology-What are the relationships in an ecosystem?

Organic Chemistry-What are the molecules of life?

2nd Quarter:

Cells-What are cells for, and how do they work?

Photosynthesis and cellular respiration-How do plants make energy, and how do cells use it?

Cellular reproduction-How do cells reproduce?

Genetic conditions-How do genes determine our characteristics?

3rd Quarter:

DNA and Protein synthesis-What is the relationship between genes and DNA?

Evolution-What evidence is there to support the change in organisms over time?

Speciation-How and why do new species develop?

4th Quarter:

Classification-How is life organized?

Fungi and plants-What makes a plant a plant and a fungus a fungus?

Animals-How do animals reproduce and develop?

Human body systems-How does the body regulate itself and respond to changes?

Grading guide: 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
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
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
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 classwork 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
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
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

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

I will take away any papers being copied (including work from other classes).

Policies for absences and make-up work: Assignments and daily learning objectives are easily located on my website. Students who lack internet access at home can use the media center computers or visit the public library.

You are responsible for material learned during class, even if you are absent. Make up work must be turned in 7 school days before the end of the quarter.

Policies & procedures for:

- **Homework**-Homework leads to success! Homework is due at the beginning of class.
- **Hall passes** – Students should get supplies from their locker during passing periods. If a student arrives to class and realizes they have forgotten something, a locker pass can be issued only during the first 30 minutes of class. Students requesting locker passes will be expected to follow the bathroom pass expectations.
- **Tardies** –As stated in the student handbook. Get here on time!
- **Bathroom passes**

- No passes given during the first or last 15 minutes of class.
- Students are expected to walk directly to the nearest bathroom (not First and Main) and return directly to class (no lockers/socializing/friends)
- To encourage proper procedure, students will be timed when they leave. A bathroom pass is only valid for 5 minutes. Any time spent out of the classroom which is greater than 3 minutes will be paid back during the next passing period/lunch/or after school.

➤ **Headphone Policy:**

- When teacher says okay – not when giving instruction (no headphones near ears, no selecting music, etc.)
- At a reasonable volume – as determined by the teacher.
- As long as it does not become a distraction.
- At your own risk – you are responsible for your equipment.
- Put headphones away before you leave the classroom.
- CONSEQUENCE: 1st=loss of headphones for 24 hours, 2nd=loss of headphones for 7 days, 3rd =loss of headphone privilege.

Supplies:

Required Materials:

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

Other materials:

Graph paper
 Colored pencils/ markers
 calculator