



# John H. Reagan High School

*Enabling our students to realize great heights*

713-861-5694  
www.jhreagan.org

## Environmental Systems Course Syllabus 2009 – 2010

---

---

Instructor: Mrs. Tricia N. Aguas      Email: taguas@houstonisd.org      Room# A253

Tutorials: Tues/ Thurs, 3:50 - 4:30 PM      Conference: TTh - 8:45 to 9:55 AM

---

---

### Course Overview

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. (Excerpt from TEA\_TEKS)

### General Expectations

Students are expected to actively participate in the scientific learning process by

- Coming to class on time.
- Being prepared and ready to learn.
- Being respectful and cooperative.
- Following lab safety guidelines at all times

### Required Texts/Materials

Textbook: *Global Science* by J.W. Christensen

1 Composition Notebook ♦ Portfolio Folder w/ Prongs (Color: \_\_\_\_\_) ♦ Notebook Paper ♦ Pens/Pencils ♦ Colored Pencils/Markers

### Course Outline

#### FALL SEMESTER

- The Nature of Science
- Ecosystem Interactions
- The Earth and Its Energy Resources
- Energy Alternatives and Population Biology

#### SPRING SEMESTER

- Agriculture and Water Resources
- Water and Air Quality
- Global Climate Change
- Land Use and Sustainable Management

### Grading

Tests/Projects 40% ♦      Quizzes 20% ♦      Labs 25% ♦      Daily work/Homework/Notebook 15%

## Retest Procedures

If you earn below a 70% on any test in this class, you have the opportunity to ***come to tutorials to receive extra help and retest***. The highest grade you will be able to receive on a re-test is a 70%. If you are absent on testing day, you will come in for tutorials in order to make up the test. Students have a week upon notification of their grade or upon returning to school from an absence to retake a test.

## Late/Missing Work

For each class day an assignment is late, 5 points will be deducted. Students who need extra help need to attend tutorials. Students can receive full credit on an assignment if they seek help at tutorials and turn the assignment in no later than one class day after it is due.

Each student is responsible for finding out any missed assignments due to absences. You are STRONGLY ENCOURAGED to attend tutorials if you do not understand how to do the work. You will only be given ONE WEEK upon your return to class to turn in any missed work that was assigned during your absence. TUTORIALS ARE BY APPOINTMENT.