



# Upper Level Science Classes 2008-2009

Science-2-U continues to offer interactive,  
hands-on science lab and class study for the 11<sup>th</sup> year!

**Parent observers are always welcomed  
even at the junior and senior high level!**

Students may register for classes in any order.  
Enrollment in same grade as course level is not required.

## **Instructor**

Jill Wilcox has been teaching science classes for the past eleven years and this will be her sixth year teaching at Hope Country Schoolhouse. She earned her Bachelor degree in Biology from California State University at Northridge in 1988. Prior to her founding SCIENCE-2-U, Jill worked in the field of biology for ten years specializing in environmental toxicology. She was employed as a biologist in both the public and private sector, which allows her to bring to the classroom a wealth of applicable knowledge outside of the standard science textbook. Jill is a committed Christian and currently resides in Long Beach, California with her husband and children.

## **Junior High Courses**

### **Life Science- 7<sup>th</sup> grade level**

Class duration 2 semesters. Tuition: \$250/semester. Wednesdays: 11:00 a.m.–12:45 p.m.

This class will include such topics as intro. chemistry, cell biology, protein synthesis, photosynthesis, thorough coverage of genetics, evolution and creation, classification and a survey of the kingdoms including monerans, viruses, protists, fungi, plants, mammals, invertebrates and vertebrates.

We will meet weekly for a lecture and hands-on lab. Weekly homework assignments from the textbook, lab assignments and tests will be completed by the students at home each week. One in-class practicum test will be given by the instructor. Each student will complete a science fair project to be entered in our science fair in May.

A textbook and activity book are required and available by special order through Hope Country Schoolhouse at a discount for this class. All other materials are included in the cost of the class.

### **Earth Science- 8<sup>th</sup> grade level**

Class duration: 2 semesters. Tuition: \$250/semester. Wednesdays: 1:30-3:00 p.m.

This class will cover material in the following areas; stars and planets, the sun, asteroids, comets, meteors, the space program, weather, rocks and minerals, fossils, mountain formation, volcanoes, earthquakes, erosion, glaciers and more! We will meet for 90 minutes weekly for a lecture and a hands-on lab. Weekly homework assignments from the textbook, lab assignments and tests will be completed by the students at home each week. Each student will complete a science fair project to be entered in our science fair in May.

A textbook is required and available by special order through Hope Country Schoolhouse at a discount for this class. All other materials are included in the cost of the class.

## High School Courses

### **Physical Science- 9<sup>th</sup> grade level**

Class duration 2 semesters. Tuition: \$275/semester. Wednesdays: 9:15-10:45 a.m.

This class will cover material in the following areas; the scientific method, energy and motion, acceleration and momentum, matter (solid, liquid, gas), atomic structure and chemical bonds, properties of substances, light, sound waves, electricity, electronics, nuclear reactions and energy sources. We will meet for 90 minutes weekly for a lecture and a hands-on lab. Weekly homework assignments from the textbook, lab assignments and tests will be completed by the students at home each week. Each student will complete a science fair project to be entered in our science fair in May.

A textbook and lab book are required and available by special order through Hope Country Schoolhouse at a discount for this class. All other materials are included in the cost of the class.

### **Biology- 10<sup>th</sup> grade level**

Class duration: 2 semesters. Tuition: \$300/semester. Wednesdays 3:15-5:15 p.m.

This course will include a detailed look at introductory chemistry, cell biology, protein synthesis, photosynthesis, thorough coverage of genetics, evolution and creation, classification and a survey of the kingdoms including monerans, viruses, protists, fungi, plants, invertebrates, arthropods and vertebrates.

This course meets weekly for 2 hours. Weekly homework assignments from the textbook, lab reports and testing will be completed by the students at home each week. There will be 1-2 long-term projects. Two in-class practicum tests will be given by the instructor.

The prerequisite for biology is successful completion or concurrent enrollment in Algebra I.

A textbook and lab book are required and available by special order through Hope Country Schoolhouse at a discount for this class. All other materials are included in the cost of the class.

### **Chemistry- 11th-12th grade level**

Class duration: 2 semesters. Tuition: Wednesdays: 5:30-7:30 p.m.

This course will cover the major topics of general chemistry including; classification of matter, chemical reactions, stoichiometry, study of the periodic table, gases, solutions, chemical kinetics and equilibrium, acids and bases and oxidation/reduction reactions. In studying these concepts there will be an emphasis on math skills and problem solving techniques.

This course meets weekly for 2 hours. Weekly homework assignments from the textbook, lab reports and testing will be completed by the students at home each week. The prerequisite for chemistry is successful completion of Algebra I. A textbook and solution manual are required and available by special order through Hope Country Schoolhouse at a discount for this class. All other materials are included in the cost of the class.

For registration information and textbook numbers please visit [www.science2u.com](http://www.science2u.com). Click on current offerings for secondary level classes or contact Jill Wilcox at [Jill@science2u.com](mailto:Jill@science2u.com).

## **HPE COUNTRY SCHOOLHOUSE**

Serving the home schooling community in the quaint two-story building at the front of the Friends Church property  
Science-2-U classes are open to all home schooling families regardless of school program enrollment.

12211 Magnolia St., Garden Grove, CA 92841

[www.science2u.com](http://www.science2u.com)

[www.hopecountryschoolhouse.com](http://www.hopecountryschoolhouse.com)