

GREATER SAN DIEGO ACADEMY HOME SCHOOL

Welcome parents and students to Greater San Diego Academy's 2009-2010 academic year!

The G.S.D.A. high school level Biology Lab class is designed for students in grades nine through twelve. The Biology Lab class will be offered at all four of our locations. Classes will start at **9:00 a.m. and conclude at 10:30a.m. at Central County and South County. There will be no Biology labs in East County or North County.**

Day of the Week	Location
Wednesday	Central County
Thursday	South County

This two (2) semester credit class completes one year of the two year lab class requirement for high school students on the University bound track and is highly recommended for all students enrolled in Biology. This class will help students to gain a greater understanding of the concepts that they are learning about by giving them 'hands-on' experience with those concepts. G.S.D.A. will offer twenty-two (22) lab classes during the school year. To successfully complete the class for credit, students need to attend at least eighteen (18) lab classes for two (2) semester credits or attend at least nine (9) lab classes for one (1) semester credit. All work will be scored with a four-point rubric and letter grades will be awarded at the end of each semester.

Each of the lab class activities will correspond to Glencoe's Biology-The Dynamics of Life textbook and will be closely aligned to California's Biology and Life Science standards. **Below is the lab schedule only, it does not include holidays, assessments, or testing information (subject to change).**

Week	Lab Topic	Chapter
August 31	Physical Factors of Soil	1-2
September 7	Eagle Populations	3-4
September 21	Kaibab Populations	4
September 28	Organic Compounds	6
October 5	Diastase Actions	7
October 19	Normal and Plasmolyzed Cells	8
October 26	Observing Meiosis	10-11
November 2	Genotypes and Phenotypes	11-12
November 16	Genetic Disorders	12
November 30	DNA Sequencing	13, 14
December 7	Adaptive Advantage	15
January 18	Allelic Frequencies	16
January 25	Dichotomous Keys	17-18
February 1	Viral Replication	18
February 15	Caloric Content	35
February 2	Chemoreceptors	36
March 1	Exercise and Heart Rate	37
March 15	Chloroplast Pigment Analysis	21, 22
March 22	Roots and Stems	23, 24
April 12	Squid Dissection	27
April 26	Snails and Stimuli	27
May 17	Frog Dissection	30

If you have any question about this program, please feel free to contact me via phone at 858-536-7936 or email at rpelton@jdusd.net.

Sincerely,

Rebecca Pelton
G.S.D.A. Science Teacher