



*Exciting things are happening with Biotechnology at San Dieguito Academy.*

***PLEASE PLAN TO ATTEND OUR NEXT  
BIOTECH ADVISORY MEETING  
November 5, 2008, 5:30 – 6:30 PM, in the Library.  
Your input is essential!***

**CELL CULTURE TRAINING:** Jocelyn Broemmelsiek, Biotechnology teacher, recently attended a two day Cell Culture Training provided by The Southern California Biotechnology Center at Miramar College, as part of the ongoing community outreach programs of the Centers of the CA Community College Economic and Workforce Development Program. In addition to a general introduction to tissue culture, aseptic techniques and general growth requirements were covered as well as a thorough review of cell counting, and cell maintenance including freezing of both suspension and adherent cell lines. Most importantly, information focusing on the establishment and maintenance of an appropriate cell culture facility were obtained.

**THE HEALTHCARE ESSENTIALS CLASS** has been exploring diverse career options in the healthcare industry, from art therapist, psychiatrist, surgeon, nurse, embryologist, pediatrician, to paramedic, and more. The class discusses these career options, learns the requirements for employment, the job market, benefits, and opportunities. The class will visit Scripps-Encinitas in the next weeks to see a facility in action. In addition, Rosemary VanGorder, pet therapist, and her dog Libby will share their experiences with the class this week. Cheryl Fuqua from Scripps Encinitas shared lessons about harassment in the workplace as well as the importance of records maintenance. Along with all this practical experience students are learning medical terminology and body systems with biology teacher, Leslie Gushwa.

**RENOVATIONS TO THE NEW BIOTECH LAB:** The Biotech team met with district officials and plans are moving ahead for much-needed renovations to the biotech lab and prep room. Plans include restructuring a storeroom into a prep lab, installation of an HVAC system, upgrading electrical and technology drops, adding additional waterlines, and knocking through an additional outside doorway. The renovations cost more than anticipated, and so we are proceeding with additional grant applications. We plan on opening the lab for our first Introduction to Biotechnology course in the spring.

**PREP WORK CONTINUES FOR INTRODUCTION TO BIOTECHNOLOGY IN THE SPRING:** This year's Biotech Advisory Board meeting dates are set for Wednesday, Nov. 5, 2008, Feb. 4, 2009 and May 6, 2009, from 5:30 to 6:30 PM in the Library. These meetings are essential to the successful planning of the course.

Inventory of all the equipment purchased through the grants and donated by Genentech is underway. New lab-tops and microscopes will arrive before the end of this month.

November will be an exciting month for us as the facility is set up. Work continues on the curriculum for the Applied Biotech course which will be introduced in fall of 2009. The course will be ready for spring registration.

**SDA JOINS BIOCUM:** Jeanne Jones and Deb Abrahamson attended the 6th Annual Legislators & Candidates Reception hosted by Gen-Probe and sponsored by BIOCUM PAC. This event brought

together elected officials and candidates that make critical decisions impacting the Biotechnology industry in our county. The evening allowed us to meet with some of the most influential leaders of San Diego, discuss high school needs, and invite these legislators to speak to our students. San Dieguito Academy is now a proud member of BIOCOM!

**INTERESTED IN SUPPORTING BIOTECHNOLOGY AT SDA?** Biotechnology is an expensive program to offer in a high school. The SDA Foundation has set up an account to collect much-needed funds from interested parents and community members. If you are interested in financially contributing to this important endeavor, please send your donation to the SDA Foundation, earmarked "Biotechnology Fund." Be part of the future at SDA!