

Synopsys Silicon Valley Science & Technology Outreach Foundation
Annual Report
September 2008 - June 2009

The Synopsys Outreach Foundation promotes science education by encouraging and supporting the development of science projects by students and teachers at public and not-for-profit private schools located primarily in California. The Foundation provides stipends to teachers, financial support to schools and materials to students; offers teacher training seminars; sponsors fairs at the school, district and county levels; and funds an advanced research class and a research lab.

Summary: During the 2008-09 academic year, the Foundation provided support to more than 115,000 students and 4,000 teachers developing 94,000 science projects. While efforts were primarily focused on schools in Santa Clara County, this support included the donation of 74,000 science project display boards to 435 schools in 34 California counties. Of those teachers receiving Foundation support, 91% identified themselves as working with students from lower/middle-income families.

Major Fairs: The Foundation sponsored the 10th annual *sciencepalooza!* science fair for students in the East Side Union HS District of San Jose where 898 students defended 429 science projects. In addition, 90 East Side students advanced to the county science fair and comprised fully one-third of all high school participants at that event. Three East Side students went on to win awards at the CA State Science Fair and one student won an award at the Intel International Science Fair.

The Foundation was once again the major sponsor of *The Synopsys Championship*--the annual science fair for students in Santa Clara County. Held in March at the San Jose Convention Center, it featured 666 students defending 516 projects before 395 judges. In May, 76 participants in *The Synopsys Championship*--a 12% increase over the previous year--advanced to the *CA State Science Fair* in Los Angeles and won a local record 32 category and special awards--an 18% increase over 2008. Also in May, participants in *The Synopsys Championship* set a new local record by winning 13 recognitions--awards and scholarships--at the Intel International Science Fair in Reno.

The Synopsys Championship continued to reinforce its reputation as one of the premier county science fairs in California. The number of students from *The Synopsys Championship* eligible to participate in the CA State Science Fair, where eligibility is calculated based on the number of awards won by each county in the previous year's fair, has grown by 53% since 2000.

Teacher Training: The Foundation offered 10 K-12 teacher training seminars, which will be held in summer and early fall. Each seven-hour class is approved for Continuing Education Units and is tied to CA State Science Standards. Some 180 registrants are expected to attend classes in subjects ranging from Genetics and Earth Science to Microbiology and Color/Light.

Special Projects: The Foundation began a survey of more than 900 students and teachers to determine the effects of project-based learning; launched *sciberpalooza!*, an online science fair for fifth- and sixth-graders; supported Science Fair Prep seminars through the Santa Clara County Office of Education; underwrote the teaching of an Advanced Science Research Class; and funded an Advanced Science Research Facility.

"We are an inner-city, low-income (90% ESL) school...Our families find it difficult to provide at-home support due to language and financial barriers. We had a most wonderful Science Fair Week in the spring. At Family Night, it was a thrill to see the students explaining and translating their work for their families....I do want you to know that your donation was greatly appreciated, well-used and had a positive impact on our program and science education for all our students. What you are doing warms our hearts."

--Teacher, Lincoln Elementary, Oakland, CA

Acacia Middle, Hemet • Alamo Elementary, Alamo • Alessandro High, Hemet • Alisal Elementary, Pleasanton • Allen School, San Jose • Alta Vista School, Los Gatos • Alvarado Elementary, Union City • American, Fremont • Anderson Elementary, Dixon • Anderson Elementary, Lawndale • Anderson Elementary, Garden Grove • Anderson School, San Jose • Anna Yates Elementary, Emeryville • Ansel Adams, Stockton • Antonio Del Buono School, Gilroy • Ardenwood, Fremont • Argonaut School, Saratoga • Ascencion School, Gilroy • Azevada, Fremont • Bagby School, San Jose • Bahia Vista Elementary, San Rafael • Bailey Primary, Firebaugh • Baker School, San Jose • Balbion, Van Nuys • Baldwin School, San Jose • Barton Elementary, Anaheim • Bel Aire Elementary, Tiburon • Benton Middle, La Mirada • Bernal Intermediate School, San Jose • Beyer Elementary, San Ysidro • Bidwell Elementary, Antioch • Binkley Elementary, Santa Rosa • Bishop Garcia Diego High School, Santa Barbara • Blacow, Fremont • Blaker-Kinser Junior High School, Ceres • Bobier Elementary, Vista • Boeger Junior High, San Jose • Bonny Doon Elementary, Santa Cruz • Bowers, Santa Clara • Bracher, Santa Clara • Braly, Sunnyvale • Brea Canyon High, Brea • Bret Harte Elementary, Modesto • Briarwood, Santa Clara • Brier, Fremont • Brookfield Elementary, Oakland • Brooktree School, San Jose • Brookvale, Fremont • Brown Elementary, Modesto • Brownell Academy of Humanities/Fine Arts, Gilroy • Buchser Middle School, Santa Clara • Buena Vista Elementary, Walnut Creek • Burckhalter Elementary, Oakland • Cabrillo, Fremont • Capri School, Campbell • Carlton School, San Jose • Carmen Dragon Elementary, Antioch • Castle Rock Charter, Crescent City • CCPA , Oakland • Center Elementary, Travis Afb • Centerville, Fremont • Central Elementary, Tracy • Chabourne, Fremont • Chatom Elementary, Turlock • Cherry Chase School, Sunnyvale • Cherrywood School, San Jose • Chicago Park Elementary, Grass Valley • Citrus South Tule Elementary, Porterville • Clear Creek Elementary, Grass Valley • Cloverland Elementary, Oakdale • Colburn Elementary, Atwater • Coleman Elementary, San Rafael • Colonel Mitchell Paige Middle, La Quinta • Columbia Elementary, Bakersfield • Conley-Caraballo High School, Hayward • Corona Creek Elementary, Petaluma • Corona Ranch Elementary, Corona • Corte Madera School, Portola Valley • Country Lane School, San Jose • Crocker Highlands Elementary, Oakland • Cumberland School, Sunnyvale • Cureton School, San Jose • Curran Elementary, Murrieta • Dan Mini Elementary, Vallejo • Daniel Webster, Daly City • De Laveaga Elementary, Santa Cruz • Del Cerro Elementary, Mission Viejo • Del Dios Middle, Escondido • Del Roble School, San Jose • Delaine Eastin Elementary, Union City • Delphic Elementary, Montague • Denair Elementary, Denair • Denair Middle, Denair • Dent Elementary, Escalon • Diamond Valley Middle, Hemet • Don Callejon, Santa Clara • Don Riggio, Stockton • Donlon Elementary, Pleasanton • Dorsa School, San Jose • Dover Middle, Fairfield • Durham, Fremont • E. Ruth Sheldon, Fairfield • East Palo Alto High School, Menlo Park • Eissler Elementary, Bakersfield • El Molino High, Forestville • El Portal Middle, Escalon • Elliott Elementary, Manteca • Emanuele Elementary, Union City • English Middle School, Los Gatos • Excelsior School of Byron, Byron • FAME Public Charter School, Fremont • Fammatre School, San Jose • Farnham School, San Jose • Fischer School, San Jose • Foothill Middle, Prather • Forest Park, Fremont • Forest Park Elementary, Fremont • Forster Middle, San Juan Capistrano • Fort Miller Middle, Fresno • Franklin Elementary, Alameda • Frost School, San Jose • Fullerton Union High, Fullerton • Gabilan Elementary, Soledad • Gage Middle, Riverside • Garden Village School, Colma • Gauer Elementary, Anaheim • Genesis High School , San Jose • George & Evelyn High School, Tracy • George Washington Elementary, Daly City • Gilroy Community Day School, Gilroy • Glenbrook Middle, Concord • Glenmoor, Fremont • Glenn County Alternative, Willows • Gold Rush Charter School, Sonora • Golden West Middle, Fairfield • Gomes, Fremont • Good Shepherd Catholic School, Santa Cruz • Granada Islamic School, Santa Clara • Grass Valley Elementary, Oakland • Gravenstein Elementary, Sebastopol • Graves Elementary, Salinas • Graystone School, San Jose • Grimmer, Fremont • Guerneville Elementary, Guerneville • Guinn Elementary, Anaheim • Hallmark Charter, Sanger • Haman, Santa Clara • Hamilton Elementary, Anza • Hamilton High, Anza • Havenscourt Middle, Oakland • Hawkins Elementary, Tracy • Healdsburg Elementary, Healdsburg • Hellyer School, San Jose • Hemet Ed. Learning Center , Hemet • Henry Elementary, Anaheim • Herman Intermediate School, San Jose • Hidden Hills Elementary School, San Ramon • Hidden Valley Elementary, Martinez • Hill High School, San Jose • Hillcrest Middle, Sebastopol • Hillview Crest Elementary, Hayward • Hirsch, Fremont • Holbrook Elementary, Concord • Holy Family Education Center, San Jose • Hoover Middle, Merced • Hopkins, Fremont • Horner, Fremont • Howard Elementary, Oakland • Hubbard School, San Jose • Hueneme Elementary, Port Hueneme • Huerta Elementary, Stockton • Huerta Learning Academy, Oakland • Huff School, Mountain View • Hughes, Santa Clara • Hughes Elementary, Modesto • Ida Jew Elementary, San Jose • Independence High School, San Jose • Indian Valley Elementary, Walnut Creek • Ingrid B. Lacy Middle, Pacifica • Irvington, Fremont • James C. Enochs High School, Modesto • Jefferson Elementary, Anaheim • Jordan Middle School, Palo Alto • Kennedy, Fremont • Kennedy School, San Jose • Kernville Elementary, Kernville • La Colina Junior High, Santa Barbara • La Tierra Elementary, Mission Viejo • Lakewood School, Sunnyvale • Lammersville School, Tracy • Laneview School, San Jose • Lathrop Elementary, Lathrop • Latino College Preparatory Academy, San Jose • Laurel, Oakley • Laurelwood, Santa Clara • Le Grand High, Le Grand • Los Coyotes Middle, La Mirada • Los Molinos Elementary, Los Molinos • Los Padres Elementary, Salinas • Leadership Public Schools Hayward, Hayward • Ledesma School, San Jose • Leitch, Fremont • Leland High School, San Jose • Lennox Math, Science, and Tech., Lennox • Liberty Elementary, Victorville • Lick High School, San Jose • Lighthouse Comm. Charter, Oakland • Linden Elementary, Linden • Loara Elementary School, Anaheim • Lorena Falasco Elementary, Los Banos • Los Alamitos School, San Jose • Los Altos High School, Los Altos • Los Arboles School, San Jose • Loyola School, Los Altos • Lydiksen Elementary, Pleasanton • Lynbrook High School, San Jose • Lynwood Elementary, Novato • Madison Elementary, Indio • Madison Elementary, Stockton • Magnolia Elementary, Oakdale • Maloney, Fremont • Manor School, Fairfax • Mar Vista Elementary, Aptos • Marjorie H. Tobias , Daly City • Marshall Elementary, Anaheim • Marshall Lane School, Saratoga • Marshall Middle, Stockton • Matanzas Elementary, Santa Rosa • Mattos, Fremont • Mayne, Alviso • McKinleyville Middle, McKinleyville • Meadow Elementary, Petaluma • Meadow View Elementary, Santa Rosa • Meadows School, San Jose • Merryhill School, Milpitas • Miano Elementary, Los Banos • Millard, Fremont • Millikin, Santa Clara • Mission Bell Elementary, Riverside • Mission High, Fremont • Mission S.J., Fremont • Mission Valley, Fremont • Moffett Elementary, Huntington Beach • Mojave High, Hesperia • Monta Loma School, Mountain View • Monta Vista High School, Cupertino • Montague, Santa Clara • Monte Gardens Elementary, Concord • Monte Rio Elementary, Monte Rio • Montgomery High, Santa Rosa • Morrill Middle School, San Jose • Most Holy Trinity, San Jose • Mountain View Academy, Mountain View • Mountain View Elementary, Concord • Mountain View Middle, Turlock •

Mt. Pleasant School, San Jose • Muir Elementary, Modesto • Muir Middle School, San Jose • Muir Elementary, Antioch • Nelson Elementary, Pinedale • Nile Garden Elementary, Manteca • Niles, Fremont • North High, Bakersfield • North Star Academy, Redwood City • North Tamarind Elementary, Fontana • Northwood School, San Jose • Nuevo Leon High, Forestville • Oak Grove High School, San Jose • Oak Grove Middle, Concord • Oakview Elementary, Orangevale • Ocala School, San Jose • Ocean View Hills, San Diego • Olinder School, San Jose • Oliveria, Fremont • One Success, Stockton • Orestimba High School, Newman • Ortega School, Pacifica • Otis Elementary, Alameda • Our Lady of Perpetual Help, Daly City • Pajaro Valley Unified, Watsonville • Palm Lane Elementary, Anaheim • Palma High School, Salinas • Palo Verde School, Palo Alto • Parkmead Elementary, Walnut Creek • Parkmont, Fremont • Parkside Intermediate, San Bruno • Patterson, Fremont • Peninsula High School, San Bruno • Petaluma Junior High, Petaluma • Piedmont Hills High School, San Jose • Pomeroy, Santa Clara • Ponderosa, Sunnyvale • Presentation High School, San Jose • Proctor Elementary, Castro Valley • Radcliff Elementary, Watsonville • Rancho Cucamonga Middle, Rancho Cucamonga • Rancho Elementary, Novato • Rancho San Justo Elementary, Hollister • Revere Elementary, Anaheim • Riverdale Elementary, Anaheim • Rogers School, San Jose • Roosevelt Elementary, Anaheim • Rucker School, Gilroy • Ruskin School, San Jose • Saint John of Damascus, Coleta • Salida Elementary, Salida • Salinas High, Salinas • San Pedro Elementary, San Rafael • Sanchez Elementary, Norwalk • Sanders School, San Jose • Santa Clara High School, Santa Clara • Santa Rosa Christian, Santa Rosa • Santa Rosa Middle, Santa Rosa • Santa Teresa High School, San Jose • Santa Teresa School, San Jose • Schilling Elementary, Newark • Scott Lane, Santa Clara • Scotts Valley Middle, Scotts Valley • Searles Elementary, Union City • Sequoia Elementary, Manteca • Sequoia Middle, Pleasant Hill • Seven Trees School, San Jose • Sheldon Elementary, Fairfield • Shelyn Elementary, Rowland Heights • Sheppard School, San Jose • Shirakawa School, San Jose • Sierra View Elementary, Oakdale • Sierramont Middle School, San Jose • Silver Creek High School, San Jose • Simmons (Calvin) Middle, Oakland • Sinclear Elementary, Ceres • Skyblue Mesa Elementary, Canyon Country • Somis Academy Charter School, Camarillo Solorio Elementary, Fontana • Sonoma COE, Santa Rosa • Soquel High, Soquel • South Lake Middle, Irvine • South Peninsula Hebrew Day, Sunnyvale • South Valley Jr. H.S., Gilroy • Springer School, Mountain View • St. Catherine of Siena School, Burlingame • St. Christopher's School, San Jose • St. Elizabeth Seton, Palo Alto • St. Lawrence, Santa Clara • St. Martin's, Sunnyvale • St. Matthew's Episcopal School, San Mateo • Stanford Middle, Palo Alto • Star View Elementary, Midway City • Stege Elementary, Richmond • Stoddard Elementary, Anaheim • Stone Avenue Elementary School, Riverside • Stonegate School, San Jose • Sunset Ridge Elementary School, Pacifica • Susan B. Anthony, Daly City • Sutter, Santa Clara • Swain Elementary, Cypress • Terman Middle School, Palo Alto • Terrell School, San Jose • Think College Now, Oakland • Thorton, Fremont • Toyon School, San Jose • Traina Elementary, Tracy • Travis Elementary, Travis Afb • Valhalla Elementary, Pleasant Hill • Valle Verde Elementary, Walnut Creek • Valle Vista School, San Jose • Vallejo Middle, Fremont • Valley Vista Elementary, Petaluma • Venetia Valley, San Rafael • Venture Academy, Stockton • Village Elementary, Santa Rosa • Village School, Campbell • Walnut Creek Intermediate, Walnut Creek • Walters, Fremont • Warm springs, Fremont • Warwick, Fremont • Washington, Fremont • Washington Elementary, San Leandro • Washington Open, Santa Clara • Watsonville Charter School, Watsonville • Weibel, Fremont • West High, Tracy • West Side Elementary, Healdsburg • Westlake Elementary, Daly City • Westside Elementary, Thermal • Westwood, Santa Clara • Westwood Elementary, Concord • Whited Elementary, Santa Rosa • Wicklund Elementary, Mountain House • Wilcox High School, Santa Clara • Williams Middle, Tracy • Williams High, Williams • Williams School, San Jose • Wilson High, Santa Clara • Windmill Springs, San Jose • Woodrow Elementary, Modesto • Woodward Elementary, Manteca • Yerba Buena High, San Jose • Zeek Elementary, Ukiah

California Schools Receiving Support from the Synopsys Outreach Foundation, 2008-'09