

California Science Center
CALIFORNIA STATE SCIENCE FAIR
Major Fair Awards – 2011

Patricia Beckman Project of the Year Awards, given in honor of Dr. & Mrs. Arnold O. Beckman

\$15,000 in awards: \$10,000 to the Senior Division, \$5,000 to the Junior Division

Senior Division: S0912, Jessica A. Richeri
Grade 12, Centennial High School, Corona, Riverside County
Advisor: Mr. Sunny Kaura
Project: Autonomous Robotic Vehicle's Guide to Eliminate the Traffic Problem

Junior Division: J0525, Steven M. Wang
Grade 8, Harker (The) School, San Jose, Santa Clara County
Advisor: Dr. Ronald Birrell
Project: Nanophotothermalysis: IPL Treatment with Targeted AuNP for Colorectal Cancer Therapy Modeled by Monte Carlo Simulations

California State Science Fair Student of the Year

S1420, Jonathan F. Li
Grade 12, St. Margaret's Episcopal School, San Juan Capistrano, Orange County
Advisor: Dr. John Lowengrub
Project: Effects of Cell Compressibility, Motility, and Contact Inhibition on the Growth of Tumor Cell Clusters

California State Science Fair Teachers of the Year

Junior Division:	Senior Division:
Cassandra de Wood	Diana Herrington
Tom Hawkins Elementary School	Clovis High School
Tracy, San Joaquin County	Clovis, Fresno County

2011 California State Science Fair Category Awards (sorted by county)

Proj	Student	Gd	School	City	County	PI	Category
S0314	Liu, Bolun	11	Mission San Jose High School	Fremont	Alameda	2	Applied Mechanics & Structures
S1822	Moore, Dylan E.	11	Anderson (Arthur) Community Learning Center	Alameda	Alameda	5	Physics & Astronomy
J0921	Porter, Todd G.	8	Holy Spirit School	Fremont	Alameda	3	Electronics & Electromagnetics
S0529	Sachar, Moniyka	10	Irvington High School	Fremont	Alameda	3	Biochemistry/ Molecular Biology
J2020	Wittman, Savannah A.	6	Christian Family Learning Center	Angels Camp	Calaveras	5	Product Science (Biological)
S0407	Clausen, Andrew T.	12	Deer Valley High School	Anioch	Contra Costa	5	Behavioral & Social Sciences
S0508	Feddersen, Matthew T.	12	Acalanes High School	Lafayette	Contra Costa	2	Biochemistry/ Molecular Biology
S1711	Jorge, Justin F.	10	De La Salle High School	Concord	Contra Costa	5	Pharmacology/ Toxicology
S0508	Marggraff, Blake C.	12	Acalanes High School	Lafayette	Contra Costa	2	Biochemistry/ Molecular Biology
J0221	Martin, Madison H.	8	Adams (J. Douglas) Middle School	Brentwood	Contra Costa	5	Alternative Energy
J0617	Sercel, Zachary P.	6	Sky Mountain Charter School	Placerville	El Dorado	3	Chemistry
S1809	Dinubilo, Ryan A.	11	Clovis West High School	Fresno	Fresno	5	Physics & Astronomy
J1505	Dosanjh, Manreet K.	7	Sanger Academy Charter School	Sanger	Fresno	5	Microbiology (General)
J0111	Gruenhagen, Katie P.	8	Alta Sierra Intermediate School	Clovis	Fresno	3	Aerodynamics/ Hydrodynamics
S1718	Moore, Jorie A.	11	Sanger High School	Sanger	Fresno	3	Pharmacology/ Toxicology
S1719	Nareddy, Suchith R.	12	Clovis West High School	Fresno	Fresno	4	Pharmacology/ Toxicology
S0806	Washburn, Hannah	9	Sanger High School	Sanger	Fresno	2	Earth & Planetary Sciences
J0231	White, Elisabeth R.	8	Quail Lake Charter School	Clovis	Fresno	5	Alternative Energy
J0115	Lu, Quinten R.	8	Pacific Union School	Arcata	Humboldt	5	Aerodynamics/ Hydrodynamics
J0810	Narum, Kai T.	6	Fuente Nueva Charter School	Arcata	Humboldt	4	Earth & Planetary Sciences
J0325	Robins, Canyon C.	7	Jacoby Creek Elementary School	Bayside	Humboldt	1	Applied Mechanics & Structures
S0401	Abbas, Nia	10	Stockdale High School	Bakersfield	Kern	5	Behavioral & Social Sciences
S0416	Huynh, Welby H.	12	Stockdale High School	Bakersfield	Kern	4	Behavioral & Social Sciences
J2007	Karnes, Madeline L.	6	Stockdale Christian School	Bakersfield	Kern	5	Product Science (Biological)
J1811	Kuney, Madeline C.	7	Stockdale Christian School	Bakersfield	Kern	5	Physics & Astronomy
J2206	Lang, Samuel Z.	8	Valley Oaks Charter School	Bakersfield	Kern	2	Zoology
S1820	Mathis, Donald S.	12	Desert High School	Edwards	Kern	5	Physics & Astronomy
S0401	Mehta, Prutha V.	10	Stockdale High School	Bakersfield	Kern	5	Behavioral & Social Sciences
J0123	Ramirez, Joana P.	8	Jefferson (Thomas) Middle School	Wasco	Kern	5	Aerodynamics/ Hydrodynamics
S0401	Singampalli, Saadhya	10	Stockdale High School	Bakersfield	Kern	5	Behavioral & Social Sciences
J0619	Staiger, Jacqueline L.	7	St. John's Lutheran School	Bakersfield	Kern	5	Chemistry
S0416	Sugetur, Amrutha V.	12	Stockdale High School	Bakersfield	Kern	4	Behavioral & Social Sciences
J1219	Wheelan, Alexa J.	8	Standard Middle School	Bakersfield	Kern	4	Mammalian Biology
J2099	Abele, Genna T.	8	St. John Fisher	Rancho Palos Verdes	Los Angeles	3	Product Science (Biological)
J2199	Abele, G. Will, Jr.	7	St. John Fisher	Rancho Palos Verdes	Los Angeles	5	Product Science (Physical)
S1702	Arunachalam, Easun P.	10	Crescenta Valley High School	LaCrescenta	Los Angeles	1	Pharmacology/ Toxicology
J1302	Benedict, Braeden C.	8	St. John Fisher	Rancho Palos Verdes	Los Angeles	2	Materials Science
J0503	Chen, Glenda	8	South Pasadena Middle School	South Pasadena	Los Angeles	3	Biochemistry/ Molecular Biology
S1108	Coulter, Brennan T.	11	Palos Verdes High School	Palos Verdes Estates	Los Angeles	2	Environmental Science

Place Note:

1-4 = First through Fourth Place; 5 = Honorable Mention

2011 California State Science Fair Category Awards (sorted by county)

Proj	Student	Gd	School	City	County	PI	Category
S1108	Coulter, Cameron C.	9	Palos Verdes High School	Palos Verdes Estates	Los Angeles	2	Environmental Science
S0306	Denprasert, Petcharat M.	12	Bravo (Francisco) Medical Magnet High School	Los Angeles	Los Angeles	4	Applied Mechanics & Structures
J1909	Eisenhauer, Nicholas F.	8	Portola (Gaspar de) Middle School	Tarzana	Los Angeles	5	Plant Biology
J1007	Eveloff, Ryan J.	6	Emerson (Ralph Waldo) Middle School	Los Angeles	Los Angeles	3	Environmental Engineering
J1911	Gavenas, Lena N.	8	South Pasadena Middle School	South Pasadena	Los Angeles	4	Plant Biology
J2112	Godlewski, Erik J.	7	St. Anastasia Elementary School	Los Angeles	Los Angeles	1	Product Science (Physical)
J0510	Haggerty, Kerry Anne	8	Hermosa Challenge B	Inglewood	Los Angeles	5	Biochemistry/ Molecular Biology
S1817	Hara, Ellie K.	12	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	3	Physics & Astronomy
J1113	Judge, Sawyer L.	8	St. John Fisher	Rancho Palos Verdes	Los Angeles	2	Environmental Science
S2204	Kimura, Julian O.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	3	Zoology
S1207	Lee, Kenneth Y.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	2	Mammalian Biology
S1208	Lei, Bonnie R.	12	Walnut High School	Walnut	Los Angeles	1	Mammalian Biology
S0425	Lundberg, Jaclyn N.	12	Palos Verdes High School	Palos Verdes Estates	Los Angeles	2	Behavioral & Social Sciences
J0915	Macmillan, Alastair C.	7	St. John Fisher	Rancho Palos Verdes	Los Angeles	5	Electronics & Electromagnetics
S1511	Maguire, Kathleen R.	11	Marlborough School	Los Angeles	Los Angeles	2	Microbiology (General)
J0514	Margossian, Hagop R.	8	Chamlian (Vahan & Anoush) Armenian School	Glendale	Los Angeles	5	Biochemistry/ Molecular Biology
S1907	Matossian, Marc J.	9	A.G.B.U. Manoogian Demirdjian School	Canoga Park	Los Angeles	3	Plant Biology
S2205	McColl, Adrienne B.	12	San Pedro High School	San Pedro	Los Angeles	1	Zoology
J1922	McGovern, Sean	6	St. Martin of Tours School	Los Angeles	Los Angeles	5	Plant Biology
J1018	Mouradian, Jason	6	Magnolia Science Academy	Reseda	Los Angeles	5	Environmental Engineering
J1517	Nevens, Emily	8	Portola (Gaspar de) Middle School	Tarzana	Los Angeles	5	Microbiology (General)
J0421	Precel, Heila	8	Pressman (Rabbi Jacob) Academy	Los Angeles	Los Angeles	2	Behavioral & Social Sciences
S0911	Rajewski, Justin W.	12	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Electronics & Electromagnetics
S0618	Ramayya, Sulekha S.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Chemistry
S0306	Rodriguez, Nathalie	12	Bravo (Francisco) Medical Magnet High School	Los Angeles	Los Angeles	4	Applied Mechanics & Structures
J1817	Rodstein, Jennifer K.	8	Nobel (Alfred Bernhard) Middle School	Northridge	Los Angeles	2	Physics & Astronomy
J1519	Rupp, Ariana N.	8	Holy Trinity School	San Pedro	Los Angeles	5	Microbiology (General)
J1519	Rupp, Alec N.	6	Holy Trinity School	San Pedro	Los Angeles	5	Microbiology (General)
S1212	Siddarth, Divya	9	Harvard-Westlake School	Los Angeles	Los Angeles	4	Mammalian Biology
J0522	Smith, Isabella A.	7	Millikan Middle School	Sherman Oaks	Los Angeles	5	Biochemistry/ Molecular Biology
J0229	Suh, Daniel Y.	8	Ridgecrest Intermediate School	Rancho Palos Verdes	Los Angeles	2	Alternative Energy
S1516	Tang-Quan, David K.	12	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	1	Microbiology (General)
J1824	Tchernoskoutova, Irina O.	7	Nativity Catholic School	Torrance	Los Angeles	5	Physics & Astronomy
S1517	Thames, Easter C.	11	California Academy of Mathematics & Science	Carson	Los Angeles	5	Microbiology (General)
S1428	Truong, Pauline	9	Gabrielino High School	San Gabriel	Los Angeles	5	Mathematics & Software
S2213	Vaish, Manu	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Zoology
J1323	Yamamoto, Kent K.	7	Mirman School for Gifted Children	Los Angeles	Los Angeles	4	Materials Science
J0723	Yuen, Meagan	8	Toll (Eleanor J.) Middle School	Glendale	Los Angeles	5	Cognitive Science
S0409	Di Tomaso, John M.	12	Yosemite High School	Oakhurst	Madera	3	Behavioral & Social Sciences

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J0121	Rafner, Jeremy A.	8	Adaline E. Kent Middle School	Kentfield	Marin	2	Aerodynamics/ Hydrodynamics
J0721	Strull, Rebecca H.	7	St. Mark's School	San Rafael	Marin	5	Cognitive Science
J1009	Golden, Connor J.	7	St. Mary of the Angels	Ukiah	Mendocino	4	Environmental Engineering
J0315	Kanonchoff, Rachel L.	8	Willits Charter School	Willits	Mendocino	5	Applied Mechanics & Structures
S1722	Smith, Annalise	9	Willits High School	Willits	Mendocino	5	Pharmacology/ Toxicology
J0803	DeVogelaere, Marissa A.	7	San Carlos Elementary School	Monterey	Monterey	5	Earth & Planetary Sciences
S0803	Grantz, Kyra H.	12	York School	Monterey	Monterey	1	Earth & Planetary Sciences
J1212	Pollack, Maya Lee	8	Santa Catalina (Upper and Lower) School	Monterey	Monterey	3	Mammalian Biology
J1935	Sinha, Kapil	7	Buena Vista Middle School	Salinas	Monterey	3	Plant Biology
S1912	Sinha, Aradhana	10	Salinas High School	Salinas	Monterey	1	Plant Biology
J0423	Stein, Ella C.	7	Grass Valley Charter School	Grass Valley	Nevada	5	Behavioral & Social Sciences
J1098	Abbasi, Aamna J.	6	Orange Crescent School	Garden Grove	Orange	1	Environmental Engineering
J2001	Abbasi, Haleema F.	6	Orange Crescent School	Garden Grove	Orange	4	Product Science (Biological)
S1705	Cook, Alyssa N.	11	Villa Park High School	Villa Park	Orange	5	Pharmacology/ Toxicology
J0504	Courelli, Vasiliki S.	8	Fairmont Private Junior High School	Anaheim	Orange	5	Biochemistry/ Molecular Biology
S0802	Duke, Caitlin L.	11	Woodbridge High School	Irvine	Orange	5	Earth & Planetary Sciences
S1905	Gabdrakhmanova, Dinara	11	University High School	Irvine	Orange	2	Plant Biology
J1112	Ida, Nicholas K.	7	Fairmont Private - Edgewood Campus	Santa Ana	Orange	4	Environmental Science
J0316	Kato, Hayato S.	6	Turtle Rock Elementary School	Irvine	Orange	2	Applied Mechanics & Structures
J1604	Khan, Yusuf A.	8	Orange Crescent School	Garden Grove	Orange	3	Microbiology (Medical)
J2117	Khurana, Meghana	6	Fairmont Private - Edgewood Campus	Santa Ana	Orange	5	Product Science (Physical)
S0804	Krolewski, Alexander G.	12	University High School	Irvine	Orange	4	Earth & Planetary Sciences
J0712	Lakhany, Hafsa A.	8	Orange Crescent School	Garden Grove	Orange	1	Cognitive Science
S1420	Li, Jonathan F.	12	St. Margaret's Episcopal School	San Juan Capistrano	Orange	3	Mathematics & Software
J1407	Lou, Anna J.	6	Acaciawood College Preparatory Academy	Anaheim	Orange	1	Mathematics & Software
S1713	Lu, Alexander J.	12	University High School	Irvine	Orange	2	Pharmacology/ Toxicology
J1720	McAllister, Katie A.	7	Fairmont Private Junior High School	Anaheim	Orange	4	Pharmacology/ Toxicology
J0518	Patel, Sonam H.	8	Fairmont Private Junior High School	Anaheim	Orange	4	Biochemistry/ Molecular Biology
S1905	Qussiny, Celine	11	University High School	Irvine	Orange	2	Plant Biology
S0913	Russell, Austin K.	10	St. Margaret's Episcopal School	San Juan Capistrano	Orange	5	Electronics & Electromagnetics
J0128	Toubia, Christopher D.	8	Fairmont Private - Edgewood Campus	Santa Ana	Orange	5	Aerodynamics/ Hydrodynamics
S0805	Valentine, Connor S.	10	Woodbridge High School	Irvine	Orange	3	Earth & Planetary Sciences
J0131	Weaver, David C.	8	St. Margaret's Episcopal School	San Juan Capistrano	Orange	1	Aerodynamics/ Hydrodynamics
J1525	Wu-Woods, Natalie J.	8	Lakeside Middle School	Irvine	Orange	4	Microbiology (General)
J0306	Binon, Michael C.	8	Granite Bay Montessori	Roseville	Placer	3	Applied Mechanics & Structures
S1901	Bianco, Ashley M.	11	River Springs Charter	Temecula	Riverside	5	Plant Biology
S1501	Cao, Jessica L.	9	Centennial High School	Corona	Riverside	3	Microbiology (General)
S1999	Gerges, Christina E.	10	King (Martin Luther, Jr.) High School	Riverside	Riverside	4	Plant Biology
S1816	Hall, Adam S.	10	Arlington High School	Riverside	Riverside	5	Physics & Astronomy

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J1310	Jergensen, Lindsey	7	Dartmouth Middle School	Hemet	Riverside	3	Materials Science
J0899	Johnson, Hannah N.	8	Earhart (Amelia) Middle School	Riverside	Riverside	3	Earth & Planetary Sciences
J2116	Karody, Neelesh "Neel" K.	8	Earhart (Amelia) Middle School	Riverside	Riverside	3	Product Science (Physical)
J0512	Keremane, Saumya R.	8	Earhart (Amelia) Middle School	Riverside	Riverside	2	Biochemistry/ Molecular Biology
J0899	Larsen, Hannah R.	8	Earhart (Amelia) Middle School	Riverside	Riverside	3	Earth & Planetary Sciences
J0899	Larsen, Zachary J.	8	Earhart (Amelia) Middle School	Riverside	Riverside	3	Earth & Planetary Sciences
J1606	Lyons, Connor J.K.	8	Vista Heights Middle School	Moreno Valley	Riverside	4	Microbiology (Medical)
J1210	Myhre, Justin L.	7	Woodcrest Christian School	Riverside	Riverside	1	Mammalian Biology
S0318	Newton, Loren J.	9	La Sierra High School	Riverside	Riverside	3	Applied Mechanics & Structures
S0320	Redak, Caitlin A.	10	North (John Wesley) High School	Riverside	Riverside	1	Applied Mechanics & Structures
S0912	Richeri, Jessica A.	12	Centennial High School	Corona	Riverside	1	Electronics & Electromagnetics
J0614	Rillon, Stephanie Reese C.	8	Miller (Frank A.) Middle School	Riverside	Riverside	4	Chemistry
S1599	Shah, Neera M.	11	King (Martin Luther, Jr.) High School	Riverside	Riverside	4	Microbiology (General)
S1599	Shah, Nehaly M.	11	King (Martin Luther, Jr.) High School	Riverside	Riverside	4	Microbiology (General)
J2128	Shelton, Klynn S.	8	Elsinore Middle School	Lake Elsinore	Riverside	4	Product Science (Physical)
J2215	Su, Walter Z.	7	Gage (Matthew) Middle School	Riverside	Riverside	5	Zoology
J1135	Unger Hicks, Jem H.	8	Elsinore Middle School	Lake Elsinore	Riverside	5	Environmental Science
J0614	Yan, Emily	8	Miller (Frank A.) Middle School	Riverside	Riverside	4	Chemistry
J1414	Talwai, Prem M.	8	Folsom Middle School	Folsom	Sacramento	5	Mathematics & Software
S0610	Janner, Michael L.	9	Redlands East Valley High School	Redlands	San Bernardino	1	Chemistry
J0127	Stanton, David A.	6	Academy for Academic Excellence	Apple Valley	San Bernardino	5	Aerodynamics/ Hydrodynamics
J2217	Velasquez, Esmeralda	7	Hinkley Middle School	Hinkley	San Bernardino	4	Zoology
J1303	Boring, Jake D.	8	Wangenheim Middle School	San Diego	San Diego	1	Materials Science
S0905	Braun, Weston D.	10	San Dieguito High School Academy	Encinitas	San Diego	3	Electronics & Electromagnetics
J1705	Bronars, Toni D.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	1	Pharmacology/ Toxicology
S1804	Cao, Carrie (Xiaoyu)	12	Torrey Pines High School	Encinitas	San Diego	2	Physics & Astronomy
J0103	Cassidy, Kirsten M.A.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	5	Aerodynamics/ Hydrodynamics
S0603	Chan, Alyssa L.	11	La Costa Canyon High School	Carlsbad	San Diego	4	Chemistry
S1116	Goldklang, Matthew P.	11	San Diego Jewish Academy	San Diego	San Diego	5	Environmental Science
J1709	Greenberg Call, Lily N.	8	San Diego Jewish Academy	San Diego	San Diego	2	Pharmacology/ Toxicology
S0513	Hesse, Courtney E.	11	Canyon Crest Academy	San Diego	San Diego	5	Biochemistry/ Molecular Biology
J1809	Jinich, Miguel	8	San Diego Jewish Academy	San Diego	San Diego	4	Physics & Astronomy
J1512	Katznelson, Sarina R.	7	Rhoades (The) School	Encinitas	San Diego	1	Microbiology (General)
S1418	Lehmann, Meredith P.	11	La Jolla Senior High School	La Jolla	San Diego	2	Mathematics & Software
S0909	Mann, Keegan R.	12	San Pasqual High	Escondido	San Diego	4	Electronics & Electromagnetics
S0317	Morris, Matthew G., III	11	Point Loma Senior High School	San Diego	San Diego	5	Applied Mechanics & Structures
S0427	Nguyen, Danielle	12	Canyon Crest Academy	San Diego	San Diego	1	Behavioral & Social Sciences
J1927	Nolan, Riley A.	7	Rhoades (The) School	Encinitas	San Diego	2	Plant Biology
J0419	Pagarkar, Dania S.	8	Islamic School of San Diego	San Diego	San Diego	4	Behavioral & Social Sciences

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S1124	Palmer, Corlin L.	10	Point Loma Senior High School	San Diego	San Diego	3	Environmental Science
J2011	Poole, Crystal R.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	1	Product Science (Biological)
J0716	Purcell, Kinsey L.	8	Pershing (John J.) Middle School	San Diego	San Diego	5	Cognitive Science
J0122	Ramanarayanan, Sankaran	8	Challenger Middle School	San Diego	San Diego	4	Aerodynamics/ Hydrodynamics
S0527	Rao, Vaishnavi L.	10	Canyon Crest Academy	San Diego	San Diego	5	Biochemistry/ Molecular Biology
S1126	Rosenberg, Marci F.	12	Torrey Pines High School	Encinitas	San Diego	4	Environmental Science
S0535	Rubin, Tammy Y.	12	San Diego Jewish Academy	San Diego	San Diego	1	Biochemistry/ Molecular Biology
S1211	Sharma, Varun S.	11	Bishop's (The) School	La Jolla	San Diego	3	Mammalian Biology
S0513	Singh, Manita	11	Canyon Crest Academy	San Diego	San Diego	5	Biochemistry/ Molecular Biology
J1521	Sinha, Charulata	8	Carmel Valley Middle School	San Diego	San Diego	2	Microbiology (General)
J1132	Srinivas, Anjana	8	Marshall (Thurgood) Middle School	San Diego	San Diego	5	Environmental Science
J0925	Sussman, Jonathan H.	8	San Diego Jewish Academy	San Diego	San Diego	5	Electronics & Electromagnetics
S0535	Tradonsky, Ali N.	11	San Diego Jewish Academy	San Diego	San Diego	1	Biochemistry/ Molecular Biology
J2216	Truong, Darin	8	Marshall (Thurgood) Middle School	San Diego	San Diego	1	Zoology
J0427	Vredenburgh, Alexandra N.	8	Pacific Ridge School	Carlsbad	San Diego	1	Behavioral & Social Sciences
J1418	Wildenhain, M. Evan	8	Marshall (Thurgood) Middle School	San Diego	San Diego	2	Mathematics & Software
S1430	Wu, Mike	11	Torrey Pines High School	Encinitas	San Diego	1	Mathematics & Software
S0427	Xie, Michelle	11	Canyon Crest Academy	San Diego	San Diego	1	Behavioral & Social Sciences
J2136	Yoon, Ryan D.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	5	Product Science (Physical)
S1430	Yu, Stephen S.	11	Torrey Pines High School	Encinitas	San Diego	1	Mathematics & Software
J0813	Zhang, Sheng Yue	8	Marshall (Thurgood) Middle School	San Diego	San Diego	1	Earth & Planetary Sciences
J0909	Fukunaga, Julie A.	7	Elkhorn Middle School	Stockton	San Joaquin	1	Electronics & Electromagnetics
J1822	Spencer, Kaitlin R.	8	Jefferson School	Tracy	San Joaquin	5	Physics & Astronomy
J0426	Testa, Kirk Patrick H.	8	Hawkins (Tom) Elementary School	Tracy	San Joaquin	3	Behavioral & Social Sciences
J2108	de Wood, Isabelle D.	7	Hawkins (Tom) Elementary School	Tracy	San Joaquin	2	Product Science (Physical)
J0903	Baldwin, William H.	8	Woodside Elementary School	Woodside	San Mateo	4	Electronics & Electromagnetics
J0304	Bennett, Conner R.	8	La Entrada Middle School	Menlo Park	San Mateo	5	Applied Mechanics & Structures
J1107	Feeny, Daniel J.	8	Woodside Elementary School	Woodside	San Mateo	1	Environmental Science
J1309	Henske, Lauren E.	7	Sacred Heart Preparatory	Atherton	San Mateo	5	Materials Science
J1408	Luxenberg, Eric S.	8	Woodside Elementary School	Woodside	San Mateo	4	Mathematics & Software
J2209	Nolan, Shea R.	8	Cunha (Manuel F.) Intermediate School	Half Moon Bay	San Mateo	3	Zoology
J2125	Schillace, Dominic R.	6	Corte Madera Middle School	Portola Valley	San Mateo	5	Product Science (Physical)
J1934	Shimshock, Andrew E.	7	Central Middle School	San Carlos	San Mateo	5	Plant Biology
J1936	Trost, Matthew D.	7	Tierra Linda Middle School	San Carlos	San Mateo	5	Plant Biology
J2125	Zdasiuk, Benjamin J.	6	Corte Madera Middle School	Portola Valley	San Mateo	5	Product Science (Physical)
J1934	Zehnder, Philip S.	7	Central Middle School	San Carlos	San Mateo	5	Plant Biology
S0625	Zhang, Jiahong	12	Mills High School	Millbrae	San Mateo	2	Chemistry
J0702	Anable, Devon N.	8	Goleta Valley Junior High School	Goleta	Santa Barbara	4	Cognitive Science
S2202	Garfinkle, Elizabeth A.R.	11	Garden Street Academy	Santa Barbara	Santa Barbara	2	Zoology

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J0722	Thakrar, Ami U.	8	La Colina Junior High School	Santa Barbara	Santa Barbara	3	Cognitive Science
J2019	Villarreal, Veronica L.	8	La Colina Junior High School	Santa Barbara	Santa Barbara	5	Product Science (Biological)
J1802	Balasingam, Namrata R.	8	Challenger School	San Jose	Santa Clara	1	Physics & Astronomy
S0901	Balasingam, Arjun V.	9	Mitty (Archbishop) High School	San Jose	Santa Clara	2	Electronics & Electromagnetics
S0904	Bhattacharya, Paulomi	10	Harker (The) School	San Jose	Santa Clara	5	Electronics & Electromagnetics
J0205	Bhetanabhotla, Sneha S.	6	Harker (The) School	San Jose	Santa Clara	5	Alternative Energy
S1703	Bhimarao, Meghana	11	Evergreen Valley High School	San Jose	Santa Clara	5	Pharmacology/ Toxicology
S1404	Chang, Christine	10	Palo Alto High School	Palo Alto	Santa Clara	4	Mathematics & Software
J0207	Choudhary, Priya	7	Stratford Middle School	San Jose	Santa Clara	4	Alternative Energy
S1805	Choudhury, Abrar	11	Bellarmino College Preparatory	San Jose	Santa Clara	4	Physics & Astronomy
S1107	Chu, Thomas L.	11	Los Gatos High School	Los Gatos	Santa Clara	5	Environmental Science
J1003	Das, Anushka	8	Challenger School	Palo Alto	Santa Clara	5	Environmental Engineering
J0211	Dennig, Paul A., Jr.	7	Blach (Georgina P.) Intermediate School	Los Altos	Santa Clara	3	Alternative Energy
S1107	Gramling, Adam J.	11	Los Gatos High School	Los Gatos	Santa Clara	5	Environmental Science
S1412	Ho, Johnny	10	Lynbrook High School	San Jose	Santa Clara	5	Mathematics & Software
J1915	Jain, Shreyan	7	Challenger School	Sunnyvale	Santa Clara	5	Plant Biology
J1508	Jin, Andrew C.	8	Harker (The) School	San Jose	Santa Clara	3	Microbiology (General)
S0419	Kaye, Jonah S.	10	Gunn (Henry M.) High School	Palo Alto	Santa Clara	5	Behavioral & Social Sciences
J1810	Korolik, Vadim	8	Old Orchard School	Campbell	Santa Clara	3	Physics & Astronomy
S0516	Kosaraju, Revanth S.	11	Harker (The) School	San Jose	Santa Clara	5	Biochemistry/ Molecular Biology
J0218	Lall, Kriti	8	Challenger School	Palo Alto	Santa Clara	1	Alternative Energy
S1107	Lawler, Keltan G.	11	Los Gatos High School	Los Gatos	Santa Clara	5	Environmental Science
J0610	Mani, Nitya	8	Miller (Joaquin) Middle School	San Jose	Santa Clara	1	Chemistry
J0320	Miklos, Maya D.	7	Stanford (Jane Lathrop) Middle School	Palo Alto	Santa Clara	4	Applied Mechanics & Structures
J1607	Murthy, Mayadevi B.	7	Kennedy (John F.) Middle School	Cupertino	Santa Clara	1	Microbiology (Medical)
S1720	Palanisamy, Ilakya	11	Lynbrook High School	San Jose	Santa Clara	5	Pharmacology/ Toxicology
J1607	Patchipala, Neha S.	7	Kennedy (John F.) Middle School	Cupertino	Santa Clara	1	Microbiology (Medical)
S0524	Raghvendra, Shubha S.	11	St. Francis High School	Mountain View	Santa Clara	4	Biochemistry/ Molecular Biology
J2014	Sawant, Nilay S.	6	Kennedy (John F.) Middle School	Cupertino	Santa Clara	2	Product Science (Biological)
J1724	Sayana, Anin	7	Challenger School	Sunnyvale	Santa Clara	3	Pharmacology/ Toxicology
S1720	Selvaganesan, Kartiga	11	Lynbrook High School	San Jose	Santa Clara	5	Pharmacology/ Toxicology
J1024	Singhal, Avni	7	Magnolia Science Academy of Santa Clara	Sunnyvale	Santa Clara	2	Environmental Engineering
J1610	Somasundaram, Sriram	8	Harker (The) School	San Jose	Santa Clara	2	Microbiology (Medical)
J0424	Sundaram, Andrew S.	7	Challenger School	San Jose	Santa Clara	5	Behavioral & Social Sciences
J1416	Tambe, Indraneel A.	8	Redwood Middle School	Saratoga	Santa Clara	3	Mathematics & Software
J0926	Varma, Maya	7	Lawson (Sam H.) Middle School	Cupertino	Santa Clara	2	Electronics & Electromagnetics
S1828	Vodrahalli, Kiran N.	12	Harker (The) School	San Jose	Santa Clara	5	Physics & Astronomy
J0525	Wang, Steven M.	8	Harker (The) School	San Jose	Santa Clara	1	Biochemistry/ Molecular Biology
J1508	Xie, Stanley	8	Harker (The) School	San Jose	Santa Clara	3	Microbiology (General)

Place Note:

1-4 = First through Fourth Place; 5 = Honorable Mention

2011 California State Science Fair Category Awards (sorted by county)

Proj	Student	Gd	School	City	County	PI	Category
S1829	Xu, Weishuang L.	12	Lynbrook High School	San Jose	Santa Clara	1	Physics & Astronomy
S1134	Yu, Chung Jui	12	Lynbrook High School	San Jose	Santa Clara	1	Environmental Science
S2210	Chesus, Connor	0	San Lorenzo Valley High School	Felton	Santa Cruz	4	Zoology
J0704	Freedman, Emma R.	6	Ocean Grove Charter School	Boulder Creek	Santa Cruz	5	Cognitive Science
J0805	Hayes, Shayne M.	8	Pacific Collegiate School	Santa Cruz	Santa Cruz	2	Earth & Planetary Sciences
J0708	Jellinek, Abraham N.	6	Ocean Alternative Education Center	Santa Cruz	Santa Cruz	5	Cognitive Science
J1715	Jot, Chloe F.	8	Pacific Collegiate School	Santa Cruz	Santa Cruz	5	Pharmacology/ Toxicology
J0608	Loehde-Woolard, Hailey C.	8	Mission Hill Junior High School	Santa Cruz	Santa Cruz	2	Chemistry
J1124	Pogson, Angela N.	8	Mission Hill Junior High School	Santa Cruz	Santa Cruz	5	Environmental Science
S2210	Rinkert, Alexander M.	12	San Lorenzo Valley High School	Felton	Santa Cruz	4	Zoology
J0705	Hall-Zazueta, Fiona	7	Orchard View School	Sebastopol	Sonoma	5	Cognitive Science
J1206	Higginbotham, Steven S.	6	Grace Lutheran School	Visalia	Tulare	2	Mammalian Biology
J0117	Meredith, Madison P.	8	Burton Middle School	Porterville	Tulare	5	Aerodynamics/ Hydrodynamics
J0701	Aggarwal, Shruti	8	Medea Creek Middle School	Oak Park	Ventura	2	Cognitive Science
J0101	Arango, Javi	7	Ojai Valley School	Ojai	Ventura	5	Aerodynamics/ Hydrodynamics
S0506	Deshpande, Rima R.	10	Newbury Park High School	Newbury Park	Ventura	5	Biochemistry/ Molecular Biology
J1205	Eyre, Joshua E.	8	Los Cerritos Middle School	Thousand Oaks	Ventura	5	Mammalian Biology
S0608	Guhan, Samantha M.	11	Newbury Park High School	Newbury Park	Ventura	5	Chemistry
S0617	Protter, Adam J.	10	Thousand Oaks High School	Thousand Oaks	Ventura	3	Chemistry
J1130	Sadowski, Alicia M.J.	8	La Reina High School	Thousand Oaks	Ventura	3	Environmental Science
J1725	Walsh, Jack R.	6	Mesa Union Junior High School	Somis	Ventura	5	Pharmacology/ Toxicology
J1938	Wood, Arianna M.	8	La Reina High School	Thousand Oaks	Ventura	1	Plant Biology

Place Note:

1-4 = First through Fourth Place; 5 = Honorable Mention



California Science Center
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2011 Special Awards

CAPCA Agricultural Award – For the projects that best explore the industry that makes California the state that feeds the world, the \$31 billion agriculture industry. One award in each division. Award is \$1,000 in the Senior Division and \$500 in the Junior Division, both in US Savings Bonds. Presented by the California Association of Pest Control Advisors.

Senior Division: S1599, the team of Neera M. Shah and Nehaly M. Shah, Riverside County

Junior Division: J1911, Lena N. Gavenas, Los Angeles County

Coastal Science Award – For excellence in coastal science and/or engineering, addressing problems or providing new solutions or technology to coastal and ocean issues. Limited to projects in the Senior Division. Award is \$500 and membership in CSBPA, California Chapter. Presented by the California Shore & Beach Preservation Association.

Award: S1116, Matthew P. Goldklang, San Diego County

LA BioMed Award for Excellence in Molecular Biology – For achievement in the field of Biochemistry/ Molecular Biology. Award is \$1000. Presented by the Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center (LA BioMed).

Award: S0535, the team of Tammy Y. Rubin and Ali N. Tradonsky, San Diego County

Mrs. Alfarata Walley Award for Excellence in Electronics – For achievement in electronics and electromagnetic studies. Given in recognition of Mrs. Walley, a dedicated elementary school teacher for over 40 years who passed away in 2010. Her many students will be pleased that she has been remembered for her devotion to her profession. Limited to projects in the Junior Division. Award is \$500. Presented anonymously.

Award: J0909, Julie A. Fukunaga, San Joaquin County

Plant Cell Biology Award – For scientific achievement in the fields of cell and molecular biology, genomics, bioinformatics, or technology development that will impact our understanding of plant cell biology. Limited to projects in the Senior Division. Award is \$500. Presented by the Center for Plant Cell Biology of the University of California, Riverside.

Award: S0510, Sanjna Ghanshani, Orange County

SCAQMD Air Quality or Climate Change Award – For the best project concerning air quality and/or climate change. One award in each division. Award is \$1500 and an invitation to present the project at the AQMD's conference, "A World We Can Change." Honorable Mentions are invited to present their projects at the conference. Presented by the South Coast Air Quality Management District.

Senior Division: S0618, Sulekha S. Ramayya, Los Angeles County

Junior Division: J1213, Mark P. Raphael, Santa Barbara County

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6110 Operations Award for Excellence in Mathematics and Computer Sciences –

For achievement in mathematics and software studies. Given in recognition of students in the Webster University Graduate School of Business, many of whom are active Air Force personnel soon to be deployed to Afghanistan. Limited to projects in the Senior Division. Award is \$500. Presented anonymously.

Award: S1430, the team of Mike Wu and Stephen S. Yu, San Diego County

Silicon Boule Award – For distinctive performance in the physical sciences. This award has been presented annually since 1995 and was originally an end piece of an ultrapure monocrystalline silicon boule. Limited to projects in the Junior Division. Award is a TRW custom designed silicon die for the space program which became an enabling technology for the CAT scan. Presented by Dale L. Hall, Senior Engineer Scientist, retired, TRW Space & Electronics.

Award: J0917, Erik Z.S. Meike, San Mateo County

SPIE Optics & Photonics Award – For the project best demonstrating scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. One award in each division. Award is \$1000, one year membership in SPIE, and a certificate. Presented by SPIE, the international society for optics and photonics.

Senior Division: S0603, Alyssa L. Chan, San Diego County

Junior Division: J0211, Paul A. Dennig, Jr., Santa Clara County

Sushila & Chandi Charan Kar Award – For an outstanding project in the health sciences, especially with humanitarian consequences. Award is \$1000. Presented by the Sheila Kar Health Foundation.

Award: S2213, Manu Vaish, Los Angeles County

UCLA Brain Research Institute Award – For outstanding science projects in all areas of neuroscience from molecules to mind. One award in each division. Award is \$500 and a certificate. Presented by the UCLA Brain Research Institute (BRI).

Senior Division: S1713, Alexandr J. Lu, Orange County

Junior Division: J0701, Shruti Aggarwal, Ventura County



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Biophysical Society Award – For the best project in biophysics. Award is \$100 and a certificate. Presented by the Biophysical Society.

Award: S0508, the team of Matthew T. Feddersen and Blake C. Marggraff, Contra Costa County

Bone Clones Mammalian Biology Award – For outstanding performance in biology. Limited to projects in the Junior Division. Award is an exact reproduction of an American Black Bear skull. Presented by Bone Clones Osteological Reproductions Inc.

Award: J1210, Justin L. Myhre, Riverside County

CAPS Science Achievement Award – For the project best illustrating good scientific methodology in a discipline represented by members of CAPS, including physics, chemistry, biological and environmental science, toxics and energy resources. Award is \$100 and an plaque. Presented by the California Association of Professional Scientists.

Award: S0618, Sulekha S. Ramayya, Los Angeles County

CCGO Geoscience Award – For an outstanding project in the field of geosciences. Three awards in each division. Award is \$250. Presented by the American Institute of Professional Geologists, California Section, and the California Council of Geoscience Organizations.

Senior Division: S0806, Hannah Washburn, Fresno County

Senior Division: S1106, Justin J. Choe, Los Angeles County

Senior Division: S1108, the team of Brennan T. Coulter and Cameron C. Coulter, Los Angeles County

Junior Division: J0804, Kent R. Gleim, Fresno County

Junior Division: J1112, Nicholas K. Ida, Orange County

Junior Division: J1113, Sawyer L. Judge, Los Angeles County

Clinical Chemistry Award – For interesting and original projects that impact the future of clinical chemistry. Three awards in each division. Senior Division award is \$200, Junior Division award is \$100. Presented by the American Association for Clinical Chemistry, Southern California Section.

Senior Division: S0516, Revanth S. Kosaraju, Santa Clara County

Senior Division: S0610, Michael L. Janner, San Bernardino County

Senior Division: S1701, Alexa J. Arango, Los Angeles County

Junior Division: J0525, Steven M. Wang, Santa Clara County

Junior Division: J0609, Nicole Madrazo, San Diego County

Junior Division: J1709, Lily N. Greenberg Call, San Diego County

Coastal Science Award – For excellence in coastal science and/or engineering, addressing problems or providing new solutions or technology to coastal and ocean issues. Award is \$250 and membership in CSBPA, California Chapter. Presented by the California Shore & Beach Preservation Association.

Award: J1130, Alicia M.J. Sadowski, Ventura County

California Science Center
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2011 Recognition Awards

Hauta Wissmann Foundation Life Sciences Award – For an outstanding biology project. Limited to the Junior Division. Award is an exact osteologic reproduction of a Dire Wolf skull. Presented by the Hauta Wissmann Foundation.

Award: J1206, Steven S. Higginbotham, Tulare County

Plant Cell Biology Award – For scientific achievement in the fields of cell and molecular biology, genomics, bioinformatics, or technology development that will impact our understanding of plant cell biology. Award is \$100. Presented by the Center for Plant Cell Biology of the University of California, Riverside.

Award: S1901, Ashley M. Bianco, Riverside County

Society of Petroleum Engineers Superior Technical Achievement Award – For outstanding technical achievement in projects relating to the development of oil and/or gas resources, mechanics, subsurface fluid flow, and production of those or other energy resources through wellbores, or in projects of a technical nature requiring a high degree of independent thinking, which could be applied to the advancement of the field of petroleum engineering research and/or development. One award in each age division. Award is \$300 and a certificate. Presented by the Los Angeles Chapter of the Society of Petroleum Engineers.

Senior Division: S0609, Irfan S. Habib, Kern County

Junior Division: J0808, Joseph P. Monaghan, San Bernardino County

SPIE Optics & Photonics Award – For the project best demonstrating scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. One award in each division. Award is \$250, one year membership in SPIE, and a certificate. Presented by SPIE, the international society for optics and photonics.

Senior Division: S1423, the team of Anirudh Pochiraju and Rohan Rastogi, Orange County

Junior Division: J0204, the team of Jonathan F. Berman, Benjamin D. Kotzubei, and Austin S. Veseliza, Los Angeles County

UC Irvine, Earth System Science Award – For the project best demonstrating outstanding achievement in the study of Earth System Science. Award is \$250. Presented by the University of California, Irvine, Department of Earth System Science.

Award: S1128, the team of Dillon M. Szyper and Anthony L. Toledo, Sacramento County

UCLA Brain Research Institute Award – For outstanding science projects in all areas of neuroscience from molecules to mind. Two place awards in each division. First Place award is \$100, and Second Place award is \$50. Presented by the UCLA Brain Research Institute (BRI).

Senior Division, First Place: S1211, Varun S. Sharma, San Diego County

Senior Division, Second Place: S0425, Jaclyn N. Lundberg, Los Angeles County

Junior Division, First Place: J0521, Nikash D. Shankar, Santa Clara County

Junior Division, Second Place: J0702, Devon N. Anable, Santa Barbara County

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U.S. Fish & Wildlife Service – For the project deemed most useful in conserving California’s biological diversity and ecological integrity. Award is an official certificate from the U.S. Fish & Wildlife Service. Presented by the Department of the Interior, U.S. Fish & Wildlife Service, Carlsbad Fish and Wildlife Office.

Award: S1999, Christina E. Gerges, Riverside County