

**California Science Center**  
**CALIFORNIA STATE SCIENCE FAIR**  
Major Fair Awards – 2008

**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:** S1520, Sarah Waliany

Grade 11, Flintridge Preparatory School, La Canada Flintridge in Los Angeles County

Advisor: Dr. Susan Kane

Project: Transformation of Herceptin-Sensitive Breast Tumor Cells into Resistant Cells by PI3K/Akt Pathway Activated by t-Darpp

**Junior Division:** J0806, Shyamal Buch

Grade 7, Folsom Middle School, Folsom, Sacramento County

Advisor: Miss Stace Mohler

Project: Live Green or Dye Hard: Analysis of Nanocrystal Dye-sensitized Solar Cells using New Low-Cost Robotic D-SCOPE

**California State Science Fair Student of the Year**

Stephanie Lin, S2011

Grade 12, Northwood High School, Irvine in Orange County

Advisor: Ms. Judie Persons

Project: Mechanism by which Methoprene Accelerates Behavioral Development in Honey Bees, *Apis mellifera*

**California State Science Fair Teachers of the Year**

**Junior Division:**

Miss Toni Stolo

St. Cyril of Jerusalem

Encino, Los Angeles County

**Senior Division:**

Mrs. Amanda Alonzo

Lynbrook High School

San Jose, Santa Clara County

## 2008 California State Science Fair Category Awards (Sorted by County)

<b>Proj</b>	<b>Name</b>	<b>Gd</b>	<b>School</b>	<b>City</b>	<b>County</b>	<b>PI</b>	<b>Category</b>
J1222	Liu, Bolun	8	Hopkins (William) Junior High School	Fremont	Alameda	1	Materials Science
S1316	Ly, Maria J.	11	Chinese Christian School	San Leandro	Alameda	5	Mathematics & Software
J0823	Mohammad, Uzair N.	8	Livermore Valley Charter School	Livermore	Alameda	5	Electronics & Electromagnetics
J1619	Moore, Dylan E.	8	Anderson (Arthur) Community Learning Center	Alameda	Alameda	3	Physics & Astronomy
J0213	Hudgens, Katherine A.	8	North Creek Academy	Walnut Creek	Contra Costa	5	Applied Mechanics & Structures
J0614	Knittel, David K.	7	Excelsior Middle School	Byron	Contra Costa	2	Cognitive Science
J0216	Lamoureux, Alexandra A.	8	North Creek Academy	Walnut Creek	Contra Costa	3	Applied Mechanics & Structures
S1614	Morton, Alekzandir J.	12	Deer Valley High School	Anioch	Contra Costa	1	Physics & Astronomy
S1614	Travagli, Thomas M.	12	Deer Valley High School	Anioch	Contra Costa	1	Physics & Astronomy
J0302	Beecher, Annabelle F.	7	St. Anthony's School	Fresno	Fresno	5	Behavioral & Social Sciences
J1904	Billeadeau, Leah R.H.	6	Cole Elementary School	Clovis	Fresno	3	Product Science (Physical)
S0907	Davis, Nick K.	11	Clovis West High School	Fresno	Fresno	1	Environmental Engineering
J0704	Freeman, Daniel (D.J.) R., Jr.	7	Quail Lake Charter School	Clovis	Fresno	3	Earth & Planetary Sciences
J1808	Gray, Robert E.	7	Sanger Academy Charter School	Sanger	Fresno	5	Product Science (Biological)
J0312	Hatayama, Leah A.	8	Washington Academic Middle School	Sanger	Fresno	2	Behavioral & Social Sciences
J1810	Hughes, Charlie J.	7	Sanger Academy Charter School	Sanger	Fresno	2	Product Science (Biological)
S0216	Kazanchyan, Chris	10	Clovis West High School	Fresno	Fresno	5	Applied Mechanics & Structures
J1904	Lewis, Courtney B.	6	Cole Elementary School	Clovis	Fresno	3	Product Science (Physical)
J1520	Moore, Jorie A.	8	Quail Lake Charter School	Clovis	Fresno	2	Pharmacology/ Toxicology
S1515	Nitido, Adam D.	10	Buchanan (Floyd B.) High School	Clovis	Fresno	4	Pharmacology/ Toxicology
J1318	Sims, Kaitlyn M.	8	Alta Sierra Intermediate School	Clovis	Fresno	5	Mathematics & Software
J1727	Suprem, Abhijit	8	Alta Sierra Intermediate School	Clovis	Fresno	1	Plant Biology
S1699	Tripuraneni, Nilesh	11	Clovis West High School	Fresno	Fresno	2	Physics & Astronomy
J0926	Washburn, Hannah J.	6	Quail Lake Charter School	Clovis	Fresno	5	Environmental Engineering
J1102	Appelmans, Claire V.	7	Pacific Union School	Arcata	Humboldt	3	Mammalian Biology
J1709	Deppe, Dayne K.	6	Pacific Union School	Arcata	Humboldt	5	Plant Biology
J1127	Pomrehn, Ashton W.	7	Sunny Brae Middle School	Arcata	Humboldt	4	Mammalian Biology
J0712	Schweigert, Emily L.	6	Blue Lake Elementary School	Blue Lake	Humboldt	5	Earth & Planetary Sciences
J1826	Suryadevara, Kiran	7	Jacoby Creek Elementary School	Bayside	Humboldt	5	Product Science (Biological)
J1935	Wallace, Cameron W.	7	Pacific Union School	Arcata	Humboldt	5	Product Science (Physical)
J1203	Arreola, Joshua M.	8	El Tejon Middle School	Lebec	Kern	4	Materials Science
J2001	Austin, Matthew G.	8	Heritage Academy	Bakersfield	Kern	3	Zoology
S1703	Bowen, Matthew	12	North High School	Bakersfield	Kern	5	Plant Biology
J1002	Dhaliwal, Navdeep S.	8	Warren (Earl) Junior High School	Bakersfield	Kern	5	Environmental Science
S0307	Franklin, Tarah L.	12	Desert High School	Edwards	Kern	4	Behavioral & Social Sciences
S0307	Kennett, Kaitlyn M.	12	Desert High School	Edwards	Kern	4	Behavioral & Social Sciences
S1510	Koo, Elizabeth S.	9	Stockdale High School	Bakersfield	Kern	5	Pharmacology/ Toxicology
S1703	Munoz, Sam	11	North High School	Bakersfield	Kern	5	Plant Biology
S0513	Okita, Nicholas L.	11	Stockdale High School	Bakersfield	Kern	1	Chemistry
J1021	Ostermann, Leah M.	6	Saint Ann School	Ridgecrest	Kern	5	Environmental Science

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J0127	Shah, Shalin N.	7	Warren (Earl) Junior High School	Bakersfield	Kern	2	Aerodynamics/ Hydrodynamics
S0513	Teng, Edith M.	12	Stockdale High School	Bakersfield	Kern	1	Chemistry
J1024	Wolfe, Maximillian F.	6	Williams (Bill L.) Elementary School	Bakersfield	Kern	5	Environmental Science
J0101	Abranians, Emin	8	Chamlian (Vahan & Anoush) Armenian School	Glendale	Los Angeles	5	Aerodynamics/ Hydrodynamics
J0201	Arslanian, Armen S.	7	Merdinian (C&E) Armenian Evangelical School	Sherman Oaks	Los Angeles	5	Applied Mechanics & Structures
J0401	Banerjee, Vivek A.	8	Portola (Gaspar de) Middle School	Tarzana	Los Angeles	3	Biochemistry/ Molecular Biology
J0902	Bornazyan, Khajag	6	Pilibos (Alex) Armenian School	Los Angeles	Los Angeles	5	Environmental Engineering
J0701	Bornemann, Evan L.	7	Nativity Catholic School	Torrance	Los Angeles	2	Earth & Planetary Sciences
S0902	Brabham, Logan A.	11	Palos Verdes High School	Palos Verdes Estates	Los Angeles	2	Environmental Engineering
S1406	Chai, Joyce S.	12	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	1	Microbiology
S1704	Chowdhury, Shadman M.	10	Arcadia High School	Arcadia	Los Angeles	5	Plant Biology
J1302	Courellis, Hristos S.	8	Carden School of Whittier	Whittier	Los Angeles	5	Mathematics & Software
S0902	Fine, Erica C.S.	10	Palos Verdes High School	Palos Verdes Estates	Los Angeles	2	Environmental Engineering
J0211	Fuller, Cameron C.	8	Crossroads School for Arts and Science	Santa Monica	Los Angeles	2	Applied Mechanics & Structures
J0211	Goldman, Adam W.	8	Crossroads School for Arts and Science	Santa Monica	Los Angeles	2	Applied Mechanics & Structures
J0311	Haber, Catherine	8	St. Martin of Tours School	Los Angeles	Los Angeles	5	Behavioral & Social Sciences
S1607	Haw, Magnus A.	12	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	4	Physics & Astronomy
S0212	Hiel, Tom J.	12	Palos Verdes High School	Palos Verdes Estates	Los Angeles	4	Applied Mechanics & Structures
J1610	Ho, Andrew P.	8	Portola (Gaspar de) Middle School	Tarzana	Los Angeles	2	Physics & Astronomy
S1309	Huang, Haixiang	11	Ribet Academy	Los Angeles	Los Angeles	1	Mathematics & Software
S1309	Jung, Sukyeon	11	Ribet Academy	Los Angeles	Los Angeles	1	Mathematics & Software
J2009	Kassabian, Nanor H.	7	Chamlian (Vahan & Anoush) Armenian School	Glendale	Los Angeles	5	Zoology
S0704	Kelleghan, Annemarie R.	10	Notre Dame Academy Girls' High	Los Angeles	Los Angeles	4	Earth & Planetary Sciences
S2009	Klimcak, Sophie H.	10	Palos Verdes High School	Palos Verdes Estates	Los Angeles	5	Zoology
S0902	Laity, Michael K.	11	Palos Verdes High School	Palos Verdes Estates	Los Angeles	2	Environmental Engineering
J1717	Lee, Kenneth Y.	8	Ridgecrest Intermediate School	Rancho Palos Verdes	Los Angeles	5	Plant Biology
J1309	Lehmann, Meredith P.	8	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	1	Mathematics & Software
S2010	Lei, Bonnie R.	9	Walnut High School	Walnut	Los Angeles	2	Zoology
S1713	Lin, Sophia D.	11	North Hollywood Senior High School	North Hollywood	Los Angeles	3	Plant Biology
J1718	Lovelace, Alicia L.	8	Westside Neighborhood School	Los Angeles	Los Angeles	3	Plant Biology
J0115	Lowe, Patrick A.	8	Palos Verdes Intermediate School	Palos Verdes Estates	Los Angeles	3	Aerodynamics/ Hydrodynamics
S0219	Matzke, Morgan A.	10	California Academy of Mathematics & Science	Carson	Los Angeles	1	Applied Mechanics & Structures
S2013	Nakata, Nicole N.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Zoology
J1621	Nelson, Hannah R.	8	Nobel (Alfred Bernhard) Middle School	Northridge	Los Angeles	5	Physics & Astronomy
J0624	Reale, Alexandra	8	St. Martin of Tours School	Los Angeles	Los Angeles	4	Cognitive Science
J0412	Siddarth, Divya	6	Mirman School for Gifted Children	Los Angeles	Los Angeles	5	Biochemistry/ Molecular Biology
S0709	Silverman, Dorothy L.	10	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	3	Earth & Planetary Sciences
J0713	Slobodyanyuk, Kirill	8	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	4	Earth & Planetary Sciences
S1722	Song, Sheena W.	10	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	1	Plant Biology
J1932	Su, Ashley	7	Dana (Richard Henry) Middle School	Arcadia	Los Angeles	5	Product Science (Physical)

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S1416	Tang-Quan, David K.	9	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	2	Microbiology
J0833	Vallelunga, Brian J.	7	Dana (Richard Henry) Middle School	Hawthorne	Los Angeles	2	Electronics & Electromagnetics
J1733	Waggoner, John P., IV	7	Westside Neighborhood School	Los Angeles	Los Angeles	5	Plant Biology
S1520	Waliany, Sarah	11	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	1	Pharmacology/ Toxicology
S0519	Wang, Xuanji	12	Arcadia High School	Arcadia	Los Angeles	5	Chemistry
J1629	Weinstein, Eli N.	8	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	1	Physics & Astronomy
J1239	West, Claire A.	8	South Pasadena Middle School	South Pasadena	Los Angeles	2	Materials Science
S1725	Woo, Suh Young	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Plant Biology
S1116	Wu, Helena (Hao)	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	4	Mammalian Biology
J0516	Yaeger, Thomas O., Jr.	6	St. Martin of Tours School	Los Angeles	Los Angeles	5	Chemistry
J0839	Yoo, Ryan G.	7	Mirman School for Gifted Children	Los Angeles	Los Angeles	5	Electronics & Electromagnetics
J1407	Cooke, Alex S.	8	Adaline E. Kent Middle School	Kentfield	Marin	1	Microbiology
S0705	Lynch, Adriana M.	9	Willits Charter School	Willits	Mendocino	1	Earth & Planetary Sciences
S0705	Pearn, Bryan C.	9	Willits Charter School	Willits	Mendocino	1	Earth & Planetary Sciences
J0301	Alfait, A. M. Fiona	8	Santa Catalina (Upper and Lower) School	Monterey	Monterey	3	Behavioral & Social Sciences
J0202	Bayless, Beau W.	8	All Saints' Episcopal Day School	Carmel	Monterey	5	Applied Mechanics & Structures
S0303	Bellingham, Sarah B.	11	Santa Catalina (Upper and Lower) School	Monterey	Monterey	2	Behavioral & Social Sciences
J1111	DeVogelaere, Matthew K.	7	San Carlos Regional School	Monterey	Monterey	5	Mammalian Biology
J0202	Foss, Trevor S.	8	All Saints' Episcopal Day School	Carmel	Monterey	5	Applied Mechanics & Structures
S1508	Gray, Erin C.	9	Salinas High School	Salinas	Monterey	5	Pharmacology/ Toxicology
S0220	McDonough, Shane C.	10	Salinas High School	Salinas	Monterey	5	Applied Mechanics & Structures
S0234	Winick, W. Tyler	9	Carmel High School	Carmel	Monterey	5	Applied Mechanics & Structures
J1324	Wirtz, Daniel J.	8	Serra (Junipero) School	Carmel	Monterey	4	Mathematics & Software
J0801	Adams, Travis S.	8	Fairmont Preparatory Academy	Anaheim	Orange	3	Electronics & Electromagnetics
S1401	Adams, Sarah J.	11	Villa Park High School	Villa Park	Orange	3	Microbiology
J0502	Bajwa, Ranvir S.	8	Fairmont Private - Edgewood Campus	Santa Ana	Orange	3	Chemistry
J0604	Carol, Taylor Q.	7	St. Anne School	Laguna Niguel	Orange	5	Cognitive Science
S1103	Chattopadhyay, Autri	10	University High School	Irvine	Orange	2	Mammalian Biology
J1406	Cook, Alyssa N.	8	Fairmont Private - Edgewood Campus	Santa Ana	Orange	2	Microbiology
J0305	Crane, Charlie K., III	7	St. Anne School	Laguna Niguel	Orange	5	Behavioral & Social Sciences
J0308	Fuertes, Alexandria R.	8	Fairmont Private - Edgewood Campus	Santa Ana	Orange	4	Behavioral & Social Sciences
J1010	Horner, Bryton A.	7	Fairmont Private - Edgewood Campus	Santa Ana	Orange	3	Environmental Science
J1015	Kazi, Farina J.	8	Orange Crescent School	Garden Grove	Orange	4	Environmental Science
S0410	Kwong, Thomas G.	11	University High School	Irvine	Orange	5	Biochemistry/ Molecular Biology
S0312	Lakhanpal, Nitish	11	University High School	Irvine	Orange	1	Behavioral & Social Sciences
S2011	Lin, Stephanie	12	Northwood High School	Irvine	Orange	1	Zoology
J1419	Madigan, Jimmy G.	6	Our Lady Queen of Angels	Newport Beach	Orange	5	Microbiology
J1622	Nguyen, Andrew T.	8	Fairmont Preparatory Academy	Anaheim	Orange	5	Physics & Astronomy
J1423	Patel, Maariyah	7	Orange Crescent School	Garden Grove	Orange	3	Microbiology
J0826	Roknich, Matthew	7	St. Anne School	Laguna Niguel	Orange	5	Electronics & Electromagnetics

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J0514	Schuyler, Hannah N.	7	St. Anne School	Laguna Niguel	Orange	4	Chemistry
J0628	Tanaka, Christian T.	8	St. Margaret's Episcopal School	San Juan Capistrano	Orange	5	Cognitive Science
J0515	Tang, Sharon	6	Deerfield Elementary School	Irvine	Orange	1	Chemistry
J1933	Tatarka-Brown, Matthew A.	7	Fairmont Private - Edgewood Campus	Santa Ana	Orange	1	Product Science (Physical)
S0421	Vashishtha, Devesh M.	11	University High School	Irvine	Orange	2	Biochemistry/ Molecular Biology
J0129	Walz, Eric J.	8	Fairmont Preparatory Academy	Anaheim	Orange	5	Aerodynamics/ Hydrodynamics
J0633	Wu, Katherine	8	Fairmont Preparatory Academy	Anaheim	Orange	5	Cognitive Science
J2020	WuWoods, Jessica J.	7	Lakeside Middle School	Irvine	Orange	5	Zoology
J1534	Wyman, Sarah C.	7	Shorecliffs Middle School	San Clemente	Orange	1	Pharmacology/ Toxicology
S0917	Yoo, Margaret	11	Northwood High School	Irvine	Orange	5	Environmental Engineering
J1830	Zivkovic, Alex	7	Vista Verde School	Irvine	Orange	3	Product Science (Biological)
S0201	Bachelier, Taylor P.	9	Inland Christian Academy Program	Corona	Riverside	2	Applied Mechanics & Structures
S1107	Edwards, Shay C.	11	Norco Senior High School	Norco	Riverside	3	Mammalian Biology
S0207	Goehring, David G.	10	Arlington High School	Riverside	Riverside	3	Applied Mechanics & Structures
S0201	Houghton, Phillip M.	12	Inland Christian Academy Program	Corona	Riverside	2	Applied Mechanics & Structures
S0201	Houghton, Zachary L.	9	Inland Christian Academy Program	Corona	Riverside	2	Applied Mechanics & Structures
S1509	Jakpor, Otana A.	10	Riverside Christian High School	Riverside	Riverside	2	Pharmacology/ Toxicology
S2007	Jones, John Michael L.	12	North (John Wesley) High School	Riverside	Riverside	4	Zoology
S1711	Kari, Daniel M.	10	North (John Wesley) High School	Riverside	Riverside	2	Plant Biology
S0407	Keremane, Sravya R.	12	North (John Wesley) High School	Riverside	Riverside	1	Biochemistry/ Molecular Biology
J1122	McKellar, Siegen A.	7	El Cerrito Middle School	Corona	Riverside	1	Mammalian Biology
J2014	Schwandt, Andrew P.	8	Villegas (Ysmael) Middle School	Riverside	Riverside	2	Zoology
J2014	Schwandt, Bradley G.	8	Villegas (Ysmael) Middle School	Riverside	Riverside	2	Zoology
J0417	Wong, Olivia E.	8	Glenn (John) Middle School	Indio	Riverside	5	Biochemistry/ Molecular Biology
J0806	Buch, Shyamal	7	Folsom Middle School	Folsom	Sacramento	1	Electronics & Electromagnetics
S0707	Nag, Divya	11	Mira Loma High School	Sacramento	Sacramento	2	Earth & Planetary Sciences
J0920	Munoz-Cowan, Diego R.	7	Maze (Marguerite) Middle School	Hollister	San Benito	5	Environmental Engineering
J0710	Karlsson, Dylan J.	6	St. Adelaide School	Highland	San Bernardino	1	Earth & Planetary Sciences
J1314	Monaghan, Michael L.	7	St. Adelaide School	Highland	San Bernardino	5	Mathematics & Software
S1516	Padilla, Alexander P.	11	Carter (Wilmer Amina) High School	Rialto	San Bernardino	3	Pharmacology/ Toxicology
S0515	Plamthottam, Sheba S.	11	Upland High School	Upland	San Bernardino	4	Chemistry
J1926	Proctor, David A.	8	Arrowhead Christian Academy	Redlands	San Bernardino	5	Product Science (Physical)
S1501	Abramson, Ronit B.	11	Canyon Crest Academy	San Diego	San Diego	5	Pharmacology/ Toxicology
J0601	Aiello, Sarah R.	8	Rhoades (The) School	Encinitas	San Diego	1	Cognitive Science
S1403	Beltran, Roxanne S.	11	High Tech High	San Diego	San Diego	4	Microbiology
J1909	Buchanan, Kamala N.	8	Roosevelt Junior High School	San Diego	San Diego	5	Product Science (Physical)
J0402	Chan, Alyssa L.	8	Rhoades (The) School	Encinitas	San Diego	2	Biochemistry/ Molecular Biology
J1910	Chenevey, James P., III	7	Rhoades (The) School	Encinitas	San Diego	5	Product Science (Physical)
J0207	Collins, Foster D.	8	Warren Walker School	San Diego	San Diego	1	Applied Mechanics & Structures
J1003	Dutra, Madison M.	7	Rhoades (The) School	Encinitas	San Diego	1	Environmental Science

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S1305	Fu, Casey L.	9	Torrey Pines High School	Encinitas	San Diego	3	Mathematics & Software
J1911	Hahn, Katherine L.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	4	Product Science (Physical)
J2008	Harris, Taryn T.	7	Rhoades (The) School	Encinitas	San Diego	4	Zoology
J1515	Hirbawi, Jaclyn M.	7	Rhoades (The) School	Encinitas	San Diego	5	Pharmacology/ Toxicology
J1117	Honig, Matthew L.	7	Pershing (John J.) Middle School	San Diego	San Diego	5	Mammalian Biology
S1403	Jacobs, Beth M.	11	High Tech High	San Diego	San Diego	4	Microbiology
S1310	Jin, Rui	11	Scripps Ranch High School	San Diego	San Diego	5	Mathematics & Software
J0613	Kirk, Alexandra N.	8	Cajon Park School	Santee	San Diego	5	Cognitive Science
J0819	Kosmatka, Joel L.	7	Rhoades (The) School	Encinitas	San Diego	5	Electronics & Electromagnetics
J1221	Kuki, Ayako C.	8	Rhoades (The) School	Encinitas	San Diego	3	Materials Science
J1121	Laird, Jennifer A.	7	Lewis (Harvey L.) Middle School	San Diego	San Diego	5	Mammalian Biology
J1310	Manohar, Nathan J.	8	Rhoades (The) School	Encinitas	San Diego	2	Mathematics & Software
J1523	Nguyen, Victoria	8	Pershing (John J.) Middle School	San Diego	San Diego	4	Pharmacology/ Toxicology
J1817	Pierro, Max J.	7	Rhoades (The) School	Encinitas	San Diego	4	Product Science (Biological)
J1425	Ports, Kayleen D.	8	Pershing (John J.) Middle School	San Diego	San Diego	5	Microbiology
J0410	Rehan, Taimur M.	7	Rhoades (The) School	Encinitas	San Diego	4	Biochemistry/ Molecular Biology
J1726	Slupska, Julia J.	7	Maris (Stella) Academy	La Jolla	San Diego	5	Plant Biology
J0223	Smith, Aaron H.	7	Coastal Academy	Oceanside	San Diego	4	Applied Mechanics & Structures
J1532	Su, Rebecca	8	Marshall (Thurgood) Middle School	San Diego	San Diego	5	Pharmacology/ Toxicology
J1130	Thompson, Matthew D.	8	St. John School	Encinitas	San Diego	5	Mammalian Biology
J1827	Torres, Alana	8	Rhoades (The) School	Encinitas	San Diego	5	Product Science (Biological)
J0925	Vishwanath, Vivek G.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	2	Environmental Engineering
J0631	Williams, Kelcie E.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	5	Cognitive Science
J0804	Bennett, Ian J.	7	La Entrada Middle School	Menlo Park	San Mateo	5	Electronics & Electromagnetics
S1606	Cronkite-Ratcliff, Bryce W.	11	Crystal Springs Uplands School	Hillsborough	San Mateo	5	Physics & Astronomy
S0504	Dubrow, Zoe E.	9	Carlmont High School	Belmont	San Mateo	2	Chemistry
J0811	Galicia, Nathan E.	8	Tierra Linda Middle School	San Carlos	San Mateo	5	Electronics & Electromagnetics
J1913	Herrmann, Christine E.	8	St. Matthew's Episcopal School	San Mateo	San Mateo	5	Product Science (Physical)
J1019	Mooi, Nathaniel J.	7	St. Matthew's Episcopal School	San Mateo	San Mateo	5	Environmental Science
J0316	Moscaret, Kyle J.	6	St. Matthew Catholic School	San Mateo	San Mateo	1	Behavioral & Social Sciences
S0317	Sarver, Hannah B.	11	Carlmont High School	Belmont	San Mateo	3	Behavioral & Social Sciences
J0125	Sauer, Christopher P.	7	Corte Madera Middle School	Portola Valley	San Mateo	1	Aerodynamics/ Hydrodynamics
J1323	Werner, Jennie	6	Woodside Elementary School	Woodside	San Mateo	5	Mathematics & Software
J0125	Zdasiuk, Jonathan A.	7	Corte Madera Middle School	Portola Valley	San Mateo	1	Aerodynamics/ Hydrodynamics
J1708	Davis, Jessica H.	8	La Colina Junior High School	Santa Barbara	Santa Barbara	4	Plant Biology
J1606	Gadsby, April R.	8	Goleta Valley Junior High School	Goleta	Santa Barbara	4	Physics & Astronomy
S1608	Hempy, Scott K.	10	San Marcos Senior High School	Santa Barbara	Santa Barbara	5	Physics & Astronomy
J1418	Lorenzen, William C.	8	La Colina Junior High School	Santa Barbara	Santa Barbara	4	Microbiology
J2017	Spencer, Mackenzie L.	8	Goleta Valley Junior High School	Goleta	Santa Barbara	1	Zoology
J0414	Warinner, Chloe B.	8	La Colina Junior High School	Santa Barbara	Santa Barbara	5	Biochemistry/ Molecular Biology

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J0134	Zurlinden, Nickolas W.	8	Goleta Valley Junior High School	Goleta	Santa Barbara	5 Aerodynamics/ Hydrodynamics
S1301	Agarwal, Kunal	11	Silver Creek High School	San Jose	Santa Clara	5 Mathematics & Software
S1701	Athavale, Priyanka V.	10	Lynbrook High School	San Jose	Santa Clara	4 Plant Biology
J1704	Bernal, Elizabeth M.	8	St. Christopher School	San Jose	Santa Clara	2 Plant Biology
J1803	Bodapati, Deepika C.	7	Challenger School	Sunnyvale	Santa Clara	1 Product Science (Biological)
S0403	Bodapati, Sunil C.	11	Bellarmine College Preparatory	San Jose	Santa Clara	5 Biochemistry/ Molecular Biology
S1603	Casavant, Eric	12	Monta Vista High School	Cupertino	Santa Clara	3 Physics & Astronomy
J0904	Choudhury, Zareen	6	Challenger School	Sunnyvale	Santa Clara	1 Environmental Engineering
S0804	Egbert, Nitin K.	11	Bellarmine College Preparatory	San Jose	Santa Clara	1 Electronics & Electromagnetics
J0908	Galivanche, Anoop R.	8	Redwood Middle School	Saratoga	Santa Clara	4 Environmental Engineering
S1306	Garg, Dhruv R.	12	Monta Vista High School	Cupertino	Santa Clara	4 Mathematics & Software
J0509	Kaye, Jonah S.	7	Stanford (Jane Lathrop) Middle School	Palo Alto	Santa Clara	2 Chemistry
J0113	Khan, Muzammil A.	7	Granada Islamic School	Santa Clara	Santa Clara	4 Aerodynamics/ Hydrodynamics
S0409	Kumar, Malika	10	Saratoga High School	Saratoga	Santa Clara	4 Biochemistry/ Molecular Biology
S1314	Liu, David C.	10	Lynbrook High School	San Jose	Santa Clara	2 Mathematics & Software
S1603	Marshall, Alex	12	Monta Vista High School	Cupertino	Santa Clara	3 Physics & Astronomy
J1522	Nety, Suchita	7	The Harker School	San Jose	Santa Clara	5 Pharmacology/ Toxicology
S0499	Paseman, Sabrina	11	The Harker School	San Jose	Santa Clara	5 Biochemistry/ Molecular Biology
J0623	Raghvendra, Shubha S.	8	Challenger School	Sunnyvale	Santa Clara	3 Cognitive Science
S0914	Sawant, Manali S.	10	Lynbrook High School	San Jose	Santa Clara	3 Environmental Engineering
J1704	Simpson, Alec D.	8	Bret Harte Middle School	San Jose	Santa Clara	2 Plant Biology
S0517	Subramanian, Narayan S.	11	Lynbrook High School	San Jose	Santa Clara	5 Chemistry
J1321	Thomas, James J.	8	St. Christopher School	San Jose	Santa Clara	3 Mathematics & Software
S2016	Tran, Jeannie N.	10	Oak Grove High School	San Jose	Santa Clara	5 Zoology
J0834	Van Steenburgh, Ethan A.	6	St. Lawrence Elementary and Middle Schools	Santa Clara	Santa Clara	5 Electronics & Electromagnetics
J0841	Zarrin, David A.	7	Redwood Middle School	Saratoga	Santa Clara	4 Electronics & Electromagnetics
S0409	Zarrin, Haley E.	10	Saratoga High School	Saratoga	Santa Clara	4 Biochemistry/ Molecular Biology
J1905	Borg, Holly C.	8	Mission Hill Junior High School	Santa Cruz	Santa Cruz	5 Product Science (Physical)
S1106	Dolson, Emily L.	11	San Lorenzo Valley High School	Felton	Santa Cruz	1 Mammalian Biology
J0907	Dreszer, Natalya B.	6	Spring Hill Advanced Elementary School	Santa Cruz	Santa Cruz	3 Environmental Engineering
S1106	Forbes, Sanaya R.	11	San Lorenzo Valley High School	Felton	Santa Cruz	1 Mammalian Biology
J1607	Hamersly, Tim O.	7	Kirby (Georgiana Bruce) Preparatory High Sch	Santa Cruz	Santa Cruz	5 Physics & Astronomy
J1120	Kumaishi, Grace A.	7	Mission Hill Junior High School	Santa Cruz	Santa Cruz	2 Mammalian Biology
J1017	Leopold, Rose L.	8	Pacific Collegiate School	Santa Cruz	Santa Cruz	2 Environmental Science
S0806	Lodha, Chandan G.	11	Santa Cruz High School	Santa Cruz	Santa Cruz	2 Electronics & Electromagnetics
J1017	Madsen, Ella R.	8	Pacific Collegiate School	Santa Cruz	Santa Cruz	2 Environmental Science
J1607	Moss, Gabriel N.	7	Kirby (Georgiana Bruce) Preparatory High Sch	Santa Cruz	Santa Cruz	5 Physics & Astronomy
J1437	Venable, Alexandra L.	7	Mission Hill Junior High School	Santa Cruz	Santa Cruz	5 Microbiology
S2008	Keeley, Kathryn N.	9	Woodlake High School	Woodlake	Tulare	3 Zoology
S2008	Keeley, Daniel T.	9	Woodlake High School	Woodlake	Tulare	3 Zoology

## 2008 California State Science Fair Category Awards (Sorted by County)

<b>Proj</b>	<b>Name</b>	<b>Gd</b>	<b>School</b>	<b>City</b>	<b>County</b>	<b>PI</b>	<b>Category</b>
S0301	Adler, Tori A.	10	Ventura High School	Ventura	Ventura	5	Behavioral & Social Sciences
J1506	Callero, Sean V.	7	Los Cerritos Middle School	Thousand Oaks	Ventura	3	Pharmacology/ Toxicology
S0703	Doyel, Sarah E.	10	Ventura High School	Ventura	Ventura	5	Earth & Planetary Sciences
J0405	Guhan, Samantha M.	8	Sycamore Canyon School	Newbury Park	Ventura	1	Biochemistry/ Molecular Biology
J0310	Gunn, Leah J.	8	Medea Creek Middle School	Oak Park	Ventura	5	Behavioral & Social Sciences
J0816	Ireland, Jack D.S.	8	Sequoia Middle School	Newbury Park	Ventura	5	Electronics & Electromagnetics
S0807	Loo, Jodi T.	10	La Reina High School	Thousand Oaks	Ventura	3	Electronics & Electromagnetics
S0911	McClintic, Francesca L.	10	Santa Clara High School	Oxnard	Ventura	4	Environmental Engineering
S0809	Moon, Sol C.	10	Moorpark High School	Moorpark	Ventura	5	Electronics & Electromagnetics
S1413	Ng, Phoebe G.	9	Westlake High School	Westlake Village	Ventura	5	Microbiology
S0911	Raab, Janel M.	10	Santa Clara High School	Oxnard	Ventura	4	Environmental Engineering
S0912	Ramakrishnan, Sambavi	11	La Reina High School	Thousand Oaks	Ventura	5	Environmental Engineering
S0911	Roberts, Sarah V.	10	Santa Clara High School	Oxnard	Ventura	4	Environmental Engineering
J1931	Shao, Elly J.	8	La Reina High School	Thousand Oaks	Ventura	2	Product Science (Physical)
S0301	Stephens, Emily E.	10	Ventura High School	Ventura	Ventura	5	Behavioral & Social Sciences
J0835	Viswanathan, Nishitha	8	La Reina High School	Thousand Oaks	Ventura	5	Electronics & Electromagnetics
S0422	Zolfaghari, Emily J.	10	La Reina High School	Thousand Oaks	Ventura	3	Biochemistry/ Molecular Biology
S0818	Zolfaghari, Olivia P.	11	La Reina High School	Thousand Oaks	Ventura	4	Electronics & Electromagnetics
S0511	Nawar, Saraf	10	Davis Senior High School	Davis	Yolo	3	Chemistry





**California Science Center**  
**CALIFORNIA STATE SCIENCE FAIR**  
2008 Special Awards

**California Energy Commission Energy in Science Award** – For exceptional merit in the areas of energy and the environment. Award is \$1000. Presented by the California Energy Commission.

**Award:** S0902, the team of Logan A. Brabham, Erica C.S. Fine, and Michael K. Laity, Los Angeles County

**Award:** S1401, Sarah J. Adams, Orange County

**Cardinal and Gold Award of Excellence** – For an outstanding woman scientist from a deserving neighborhood. Award is \$1000. Presented by Debra Reed and Arthur Drylle

**Award:** J0416, Kate H. Williamson, San Diego County

**CEPCEB 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 \$1000. Presented by the Center for Plant Cell Biology of the University of California, Riverside.

**Award:** S0407, Sravya R. Keremane, Riverside County

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

**Award:** S0703, Sarah E. Doyel, Ventura County

**Dr. Ibrahim El-Hefni Achievement in Science Award** – For projects best representing the excellence of California's youth in science studies. Award is \$500. Presented by the Dr. Ibrahim El-Hefni Technical Training Foundation.

**Award:** J0113, Muzammil A. Khan, Santa Clara County

**Award:** J0415, Jnaneshwar T. Weibel, Humboldt County

**Award:** J0802, Sera H. Aguirre, San Bernardino County

**Award:** J0830, Gagandeep S. Thandi, Calaveras County

**Award:** J1306, Sana Hadyeh, San Bernardino County

**Award:** J1607, the team of Tim O. Hamersly and Gabriel N. Moss, Santa Cruz County

**Award:** S0404, Oscar Calzada, Los Angeles County

**Award:** S0516, Gian E. Sonza, Imperial County

**Award:** S0803, Aubryn R. Butterfield, Kern County

**Award:** S1516, Alexander P. Padilla, San Bernardino County

**Excellence in Agricultural Award** – Award is a \$1,000 US Savings Bond. Presented by the California Association of Pest Control Advisors.

**Award:** S0407, Sravya R. Keremane, Riverside County

**Award:** S1701, Priyanka V. Athavale, Santa Clara County

**California Science Center**  
**CALIFORNIA STATE SCIENCE FAIR**  
2008 Special Awards

**Management 414 Award for Achievement in Mathematics and Software Studies –** For achievement in mathematics and software studies. Award is \$500. Limited to projects in the Senior Division. Presented anonymously.

**Award:** S1309, the team of Haixiang Huang and Sukyeon Jung, Los Angeles County

**MLIM Award for Achievement in Electronics –** For achievement in electronics and electromagnetic studies. Award is \$500. Limited to projects in the Senior Division. Presented anonymously.

**Award:** S0804, Nitin K. Egbert, Santa Clara County

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

**Award:** S0412, Marie H. Nguyen, San Diego County

**Silicon Boule Award –** For distinctive performance in the physical sciences. This award has been presented annually since 1995. Award is an end piece of an ultrapure monocrystalline silicon boule. Presented by Dale L. Hall, retired Senior Engineer from Northrop Grumman Space Technology.

**Senior Engineer Scientist:** S0519, Xuanji Wang, Los Angeles

**SPIE Optics & Photonics Award –** For a project advancing student scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. Award is \$1000, a certificate, society membership, and a SPIE t-shirt. Presented by the International Society for Optical Engineering.

**Senior Division:** S1615, Kathleen P. Pham, Orange County

**Junior Division:** J0502, Ranvir S. Bajwa, Orange County

**UCLA Brain Research Institute Award –** For outstanding science projects in all areas of neuroscience from molecules to mind. Award is \$500. Presented by the UCLA Brain Research Institute (BRI).

**Senior Division:** S0421, Devesh M. Vashishtha, Orange County

**Junior Division:** J0402, Alyssa L. Chan, San Diego County



**California Science Center**  
**CALIFORNIA STATE SCIENCE FAIR**  
2008 Recognition Awards

**CCGO Geoscience Award** – For an outstanding project in the field of geosciences. Award is \$250 and a one-year subscription to *The Professional Geologist*. Presented by the American Institute of Professional Geologists and the California Council of Geoscience Organizations.

**Senior Division:** S0709, Dorothy L. Silverman, Los Angeles County

**Junior Division:** J0703, Julia J. Dressel, San Mateo County

**California Association of Professional Scientists, 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. Limited to students in grades 7-11. Presented by the California Association of Professional Scientists. Sponsored by the Department of Toxic Substances Control.

**Award:** J1017, the team of Rose L. Leopold and Ella R. Madsen, Santa Cruz County

**California Energy Commission Energy in Science Award** – For projects of exceptional merit in the areas of energy and the environment. Award is \$250. Presented by the California Energy Commission.

**Award:** J0801, Travis S. Adams, Orange County

**Award:** J0806, Shyamal Buch, Sacramento County

**Award:** J0907, Natalya B. Dreszer, Santa Cruz County

**Award:** J1203, Joshua M. Arreola, Kern County

**Coastal Science Award** – For the best project in the Junior Division on 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:** J1017, the team of Rose L. Leopold and Ella R. Madsen, Santa Cruz County

**Health Physics Society Award** – For the projects which best demonstrate and/or observe the use or effects of ionizing (*e.g.* x-rays) or non-ionizing (*e.g.* UV) radiation. First Place award is \$100, Second Place award is \$25, and each receives a certificate. Presented by the Southern California Chapter of the Health Physics Society.

**Senior Division:**

**First Place:** S0416, Kyle R. Rothschild-Mancinelli, San Mateo County

**Second Place:** S1412, Mikael H. Matossian, Los Angeles County

**Junior Division:**

**First Place:** J1215, Grant M. Harmon, Humboldt County

**Second Place:** J1009, Taylor Hamermesh, Los Angeles County

**California Science Center**  
**CALIFORNIA STATE SCIENCE FAIR**  
2008 Recognition Awards

**Science Buddies Clever Scientist Award** – For projects which best use innovative, low-cost experimental techniques to answer interesting scientific and engineering questions. Award is \$30 and a certificate. Presented by the Science Buddies Program of the Kenneth Lafferty Hess Family Charitable Foundation

**Award:** J0516, Thomas O. Yaeger, Jr., Los Angeles County

**Award:** J0804, Ian J. Bennett, San Mateo County

**Award:** J0820, the team of Wesley K. Larsen and Aren T. Lorenson, Santa Clara County

**Award:** J0837, Christopher J. Weis, Los Angeles 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. Award is \$300. Presented by the Los Angeles Basin Section of the Society of Petroleum Engineers.

**Award:** J0299, Justo R. Padron, III, Fresno County

**Award:** J1239, Claire A. West, Los Angeles County

**Award:** S0513, the team of Nicholas L Okita and Edith M. Teng, Kern County

**SPIE Optics & Photonics Award** – For projects advancing student scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. Award is \$250, a certificate, society membership, and a SPIE t-shirt. Presented by the International Society for Optical Engineering.

**Award:** J0830, Gangadeep S. Thandi, Calaveras County

**Award:** J1325, Yibing Zhang, Santa Barbara County

**UC Irvine, Earth Systems Science Award** – For projects best demonstrating outstanding achievement in the study of Earth Systems Science. Award is \$250. Limited to students in grades 9-11. Presented by the University of California, Irvine, Department of Earth Systems Science.

**Award:** S1312, Beverly S. Levene, San Diego County

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

**Senior Division, First Place:** S0403, Sunil C. Bodapati, Santa Clara County

**Senior Division, Second Place:** S0302, Taylor A. Anderson, Sonoma County

**Junior Division, First Place:** J0624, Alexandra Reale, Los Angeles County

**Junior Division, Second Place:** J0628, Christian T. Tanaka, Orange County