

**California Science Center**  
**CALIFORNIA STATE SCIENCE FAIR**  
Major Fair Awards – 2010

**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:** S1606, Kaavya N. Jayram  
Grade 10, Sravani Academi, San Jose, Santa Clara County  
Advisor: Dr. Laurens Gunnarsen  
Project: Crank 0 Partitions and the Parity of the Partition Function

**Junior Division:** J1729, Natalie Ng  
Grade 8, Challenger School, Sunnyvale, Santa Clara County  
Advisor: Mrs. Sarah Thaler  
Project: A Conductometric Biosensor for the Detection of Food-Borne Pathogens

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

S1615, Anna K. Simpson  
Grade 12, Patrick Henry Senior High School, San Diego, San Diego County  
Advisor: Ms. Lara Dickens  
Project: Local Layering of Images with a Natural User Interface

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

<b>Junior Division:</b>	<b>Senior Division:</b>
Kim Miller	John-Emmanuel Shirajian
Goleta Valley Junior High School	Ribet Academy
Goleta, Santa Barbara County	Los Angeles, Los Angeles County

## 2010 California State Science Fair Category Awards (sorted by county)

Proj	Student	Gd	School	City	County	PI	Category
J1109	Epperson, Paul M.	8	Livermore Valley Charter School	Livermore	Alameda	2	Environmental Engineering
S1917	Liu, Bolun	10	Mission San Jose High School	Fremont	Alameda	1	Physics & Astronomy
J0911	Porter, Todd G.	7	Holy Spirit School	Fremont	Alameda	3	Electronics & Electromagnetics
J1109	Wang, Steven H.L.	8	Livermore Valley Charter School	Livermore	Alameda	2	Environmental Engineering
S0411	Li, Louis R.	11	Monte Vista High School	Danville	Contra Costa	4	Biochemistry/ Molecular Biology
J2305	Campos, Casey M.	8	Reyburn Intermediate	Clovis	Fresno	3	Toxicology
S1403	Davis-Wallace, Logan L.	11	Clovis High School	Clovis	Fresno	3	Mammalian Biology
J0307	Dosanjh, Manreet K.	6	Wash (John S.) Elementary School	Fresno	Fresno	5	Behavioral & Social Sciences
S1711	Kaufmann, Kevin R.	11	Clovis High School	Clovis	Fresno	5	Microbiology
J2314	Lassley, Karley J.	8	Quail Lake Charter School	Clovis	Fresno	5	Toxicology
J2117	Le, Monica Bach	7	Sanger Academy Charter School	Sanger	Fresno	3	Product Science (Biological)
S1815	Moore, Jorie A.	10	Sanger High School	Sanger	Fresno	2	Pharmacology
S1816	Nareddy, Suchith R.	11	Clovis West High School	Fresno	Fresno	3	Pharmacology
J2222	Pilegard, Mike M.	8	Central Valley Home School	Kingsburg	Fresno	3	Product Science (Physical)
J1321	Tang, Tia A.	8	Alta Sierra Intermediate School	Clovis	Fresno	5	Human Biology
J1132	Washburn, Hannah	8	Washington Academic Middle School	Sanger	Fresno	5	Environmental Engineering
J2426	Zoldoske, Kasi P.	6	Quail Lake Charter School	Clovis	Fresno	5	Zoology
J1008	Davis, Sara K.	7	Sunny Brae Middle School	Arcata	Humboldt	3	Energy & Power
J0425	Weibel, Jnaneshwar T.	8	McKinleyville Middle School	McKinleyville	Humboldt	5	Biochemistry/ Molecular Biology
J0621	Maloof, Alexandra	8	St. Mary's Catholic School	El Centro	Imperial	3	Cognitive Science
J0504	Behrens, Danielle M.	8	Stockdale Christian School	Bakersfield	Kern	1	Chemistry
J1001	Behrens, Nathan G.	8	Stockdale Christian School	Bakersfield	Kern	5	Energy & Power
S2403	Butterfield, Aubryn R.	11	Bakersfield Christian High School	Bakersfield	Kern	5	Zoology
J2109	Despot, Caitlinn A.	6	Cesar Chavez Elementary	Bakersfield	Kern	5	Product Science (Biological)
S2012	Lipscomb, Calla E.	11	Desert High School	Edwards	Kern	5	Plant Biology
J0909	Martin, Anthony J.	8	Jefferson (Thomas) Middle School	Wasco	Kern	5	Electronics & Electromagnetics
J1914	Njoroge, Gathenji B.	8	Freedom Middle School	Bakersfield	Kern	5	Physics & Astronomy
J2124	Ostermann, Leah M.	8	Saint Ann School	Ridgecrest	Kern	5	Product Science (Biological)
J1129	Tweed, Nathaniel B.	7	Valley Schools	Bakersfield	Kern	5	Environmental Engineering
J1324	Wheelan, Alexa J.	7	Standard Middle School	Bakersfield	Kern	2	Human Biology
J2302	Ambrose, Roy G., III	6	Niemes (John H.) Elementary School	Artesia	Los Angeles	5	Toxicology
S1801	Arunachalam, Easun	9	Crescenta Valley High School	LaCrescenta	Los Angeles	5	Pharmacology
J1002	Benedict, Braeden C.	7	St. John Fisher	Rancho Palos Verdes	Los Angeles	5	Energy & Power
J0203	Blood, Aiden D.	7	American Martyrs School	Manhattan Beach	Los Angeles	5	Applied Mechanics & Structures
S0904	Chen, Alexander L.	9	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Electronics & Electromagnetics
S1808	Chen, Monica L.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Pharmacology
S0809	Coulter, Brennan T.	10	Palos Verdes High School	Palos Verdes Estates	Los Angeles	2	Earth & Environment
J2307	Didelot-Hearn, Camille G.	8	Los Angeles Center for Enriched Studies	Los Angeles	Los Angeles	4	Toxicology
J2307	Dodd, Galen P.	8	Los Angeles Center for Enriched Studies	Los Angeles	Los Angeles	4	Toxicology

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J0906	Fordham, Mason E.	8	Portola (Gaspar de) Middle School	Tarzana	Los Angeles	5	Electronics & Electromagnetics
J1508	Giller, Riley M.	8	Nativity Catholic School	Torrance	Los Angeles	5	Materials Science
J0706	Judge, Sawyer L.	7	St. John Fisher	Rancho Palos Verdes	Los Angeles	2	Earth Science
S0818	Kelleghan, Annemarie R.	12	Notre Dame Academy Girls' High	Los Angeles	Los Angeles	5	Earth & Environment
J1212	Klose, Rachel A.	8	Ridgecrest Intermediate School	Rancho Palos Verdes	Los Angeles	4	Environmental Science
S0507	Kronfli, Edward J., III	11	St. Francis High School	La Canada	Los Angeles	4	Chemistry
J0112	Le, Timothy R.	8	Sierra Canyon Middle School	Chatsworth	Los Angeles	5	Aerodynamics/ Hydrodynamics
J1722	Lee, Erin S.	8	Mirman School for Gifted Children	Los Angeles	Los Angeles	4	Microbiology
S2408	Lei, Bonnie R.	11	Walnut High School	Walnut	Los Angeles	1	Zoology
J2215	Luo, Jessica W.	8	Los Angeles Center for Enriched Studies	Los Angeles	Los Angeles	4	Product Science (Physical)
J1021	Mariscal, David G.	8	Ribet Academy	Los Angeles	Los Angeles	5	Energy & Power
J2016	Matossian, Marc J.	8	A.G.B.U. Manoogian Demirdjian School	Canoga Park	Los Angeles	5	Plant Biology
S1919	Matossian, Mikael H.	11	A.G.B.U. Manoogian Demirdjian School	Canoga Park	Los Angeles	5	Physics & Astronomy
S2409	McColl, Adrienne B.	11	San Pedro High School	San Pedro	Los Angeles	2	Zoology
S1922	Nguyen, Lauren Y.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Physics & Astronomy
S1613	Pyzow, Ivan R.	11	Los Angeles County High School for the Arts	Los Angeles	Los Angeles	5	Mathematics & Software
S1614	Rajewski, Justin W.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	5	Mathematics & Software
J2318	Regan, Gregory M.	7	American Martyrs School	Manhattan Beach	Los Angeles	1	Toxicology
J2420	Richey, Brett W.	7	Sierra Madre Elementary	Sierra Madre	Los Angeles	5	Zoology
J2127	Rupp, Ariana N.	7	Holy Trinity School	San Pedro	Los Angeles	2	Product Science (Biological)
J2307	Sanford, Alison M.	8	Los Angeles Center for Enriched Studies	Los Angeles	Los Angeles	4	Toxicology
S2017	Sercel, Alexander J.	11	St. Francis High School	La Canada	Los Angeles	4	Plant Biology
J2226	Shirajian, Nareg K.	6	Merdinian (C&E) Armenian Evangelical Scho	Sherman Oaks	Los Angeles	5	Product Science (Physical)
J1227	Siddarth, Divya	8	Harvard-Westlake School	Los Angeles	Los Angeles	2	Environmental Science
S0832	Silverman, Dorothy L.	12	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	5	Earth & Environment
S0419	Sinow, Carolyn S.	12	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	1	Biochemistry/ Molecular Biology
J0131	Stein, Jessica S.	8	Nobel (Alfred Bernhard) Middle School	Northridge	Los Angeles	5	Aerodynamics/ Hydrodynamics
J1521	Stopforth, Cameron K.	8	Miraleste Intermediate School	Rancho Palos Verdes	Los Angeles	5	Materials Science
S0420	Suh, Jane Y.	12	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	3	Biochemistry/ Molecular Biology
J2318	Sumen, Gregory P.	7	American Martyrs School	Manhattan Beach	Los Angeles	1	Toxicology
J0224	Swerdlow, Michael A.	6	Mirman School for Gifted Children	Los Angeles	Los Angeles	3	Applied Mechanics & Structures
S1724	Tang-Quan, David K.	11	Palos Verdes Peninsula High School	Rolling Hills Estate	Los Angeles	3	Microbiology
S1617	Weinstein, Eli N.	10	Flintridge Preparatory School	La Canada Flintridge	Los Angeles	5	Mathematics & Software
J1739	Yang, Vivian C.	6	Emerson (Ralph Waldo) Middle School	Los Angeles	Los Angeles	2	Microbiology
J1527	Yu, Margaret	8	San Gabriel Christian School	San Gabriel	Los Angeles	2	Materials Science
S1731	Zimmerman, David M.	9	Brentwood School	Los Angeles	Los Angeles	1	Microbiology
S0307	Goldman, Lily C.	10	Tamalpais High School	Mill Valley	Marin	5	Behavioral & Social Sciences
S0214	Ramin, Oliver L.	10	Tamalpais High School	Mill Valley	Marin	4	Applied Mechanics & Structures
S1411	Thompson, Cassandra E.	10	Tamalpais High School	Mill Valley	Marin	2	Mammalian Biology

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J2004	Duval, Ethan T.	6	Tree of Life Charter School	Ukiah	Mendocino	5	Plant Biology
J0707	Kanonchoff, Rachel L.	7	Trinity Academy Home School	Willits	Mendocino	1	Earth Science
S1602	Batterman, Ryan P.	11	York School	Monterey	Monterey	5	Mathematics & Software
S0824	Lin, Michael	11	Stevenson (Robert Louis) High School	Pebble Beach	Monterey	5	Earth & Environment
S0824	Lin, Jimmy	10	Stevenson (Robert Louis) High School	Pebble Beach	Monterey	5	Earth & Environment
J1036	Weismann, Scott D.	8	All Saints' Episcopal Day School	Carmel	Monterey	5	Energy & Power
J2203	Beckett, Samantha Jean	8	Union Hill School	Grass Valley	Nevada	1	Product Science (Physical)
J1101	Abbasi, Aamna J.	7	Orange Crescent School	Garden Grove	Orange	1	Environmental Engineering
J0305	Bhupathy, Supriya A.	8	Fairmont Private Schools - Anaheim Hills	Anaheim Hills	Orange	1	Behavioral & Social Sciences
J1201	Bozanic, Evan M.	7	Pacific Technology School Santa Ana	Costa Mesa	Orange	3	Environmental Science
J1902	Brown, Caleb J.	6	Bonita Canyon Elementary	Irvine	Orange	1	Physics & Astronomy
J0205	Chang, Alex L.	7	Rancho San Joaquin Middle School	Irvine	Orange	1	Applied Mechanics & Structures
J1106	Chen, Oliver	8	McAuliffe (Sharon Crista) Middle School	Los Alamitos	Orange	4	Environmental Engineering
S0905	Chen, Michelle	11	Troy High School	Fullerton	Orange	3	Electronics & Electromagnetics
S1809	Cook, Alyssa N.	10	Villa Park High School	Villa Park	Orange	4	Pharmacology
J2404	Dadabhoy, Laila Y.	8	Orange Crescent School	Garden Grove	Orange	4	Zoology
S0405	Ghanshani, Sanjna	9	University High School	Irvine	Orange	5	Biochemistry/ Molecular Biology
J0314	Hickok, Allison T.	6	Bonita Canyon Elementary	Irvine	Orange	3	Behavioral & Social Sciences
S0208	Johnson, Zachary A.	11	Woodbridge High School	Irvine	Orange	3	Applied Mechanics & Structures
J1015	Kayekjian, David	7	Acaciawood College Preparatory Academy	Anaheim	Orange	5	Energy & Power
J0617	Lakhany, Hafsa A.	7	Orange Crescent School	Garden Grove	Orange	1	Cognitive Science
S1916	Lin, Christine A.	11	Woodbridge High School	Irvine	Orange	5	Physics & Astronomy
J0619	Luo, Kelly L.	8	Fairmont Private Schools - Anaheim Hills	Anaheim Hills	Orange	5	Cognitive Science
S2013	Midani, Nicole	10	Woodbridge High School	Irvine	Orange	3	Plant Biology
J2219	Mital, Sonya A.	8	Fairmont Private - Edgewood Campus	Santa Ana	Orange	2	Product Science (Physical)
S0899	Mitra, Sumit	12	University High School	Irvine	Orange	4	Earth & Environment
S0511	Nakata, Mark T.	9	Villa Park High School	Villa Park	Orange	5	Chemistry
J0120	Nguyen, Brandon T.	8	Fairmont Private Junior High School	Anaheim	Orange	3	Aerodynamics/ Hydrodynamics
J0710	Olsthoorn, Max B.	6	Nohl Canyon Elementary	Anaheim	Orange	3	Earth Science
J0414	Park, Jiho	8	Rancho San Joaquin Middle School	Irvine	Orange	1	Biochemistry/ Molecular Biology
S2015	Polyakov, Diane L.	11	Villa Park High School	Villa Park	Orange	2	Plant Biology
J2421	Rutten, Jessica I.	8	Fairmont Private - Edgewood Campus	Santa Ana	Orange	5	Zoology
S0516	Sumi, H. May	11	Woodbridge High School	Irvine	Orange	5	Chemistry
J2029	Tada, Anna	6	Greentree Elementary School	Irvine	Orange	3	Plant Biology
S1916	Willard, Shannon E.	11	Woodbridge High School	Irvine	Orange	5	Physics & Astronomy
J1738	Wu-Woods, Natalie J.	7	Lakeside Middle School	Irvine	Orange	5	Microbiology
S0422	Yang, Kevin C.	9	Mission Viejo High School	Mission Viejo	Orange	5	Biochemistry/ Molecular Biology
J0915	Yeh, Christopher T.	8	McAuliffe (Sharon Crista) Middle School	Los Alamitos	Orange	4	Electronics & Electromagnetics
J0915	Yeh, Benjamin T.	8	McAuliffe (Sharon Crista) Middle School	Los Alamitos	Orange	4	Electronics & Electromagnetics

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Proj	Student	Gd	School	City	County	PI	Category
S0401	Ahmed, Imran	12	King (Martin Luther, Jr.) High School	Riverside	Riverside	5	Biochemistry/ Molecular Biology
J1301	Castrodale, Isabella M.	7	St. Theresa School	Palm Springs	Riverside	5	Human Biology
J1301	Castrodale, Sophia L.	7	St. Theresa School	Palm Springs	Riverside	5	Human Biology
S0401	Frias, Elma S.	12	King (Martin Luther, Jr.) High School	Riverside	Riverside	5	Biochemistry/ Molecular Biology
S2006	Gerges, Christina E.	9	King (Martin Luther, Jr.) High School	Riverside	Riverside	1	Plant Biology
J2006	Gonzalez, Alejandro G.	6	St. Hyacinth Academy	San Jacinto	Riverside	5	Plant Biology
S0401	Hareesh, Shanta V.	12	King (Martin Luther, Jr.) High School	Riverside	Riverside	5	Biochemistry/ Molecular Biology
J1308	Hemphill, Taylor C.	7	Vista Heights Middle School	Moreno Valley	Riverside	3	Human Biology
J0407	Keremane, Saumya R.	7	Earhart (Amelia) Middle School	Riverside	Riverside	5	Biochemistry/ Molecular Biology
J1116	Khansarinia, Cameron K.	8	Raney (Letha) Intermediate School	Corona	Riverside	5	Environmental Engineering
J1022	Mathews, Christie S.	8	Christian School of the Desert	Bermuda Dunes	Riverside	5	Energy & Power
J0119	Newton, Loren J.	8	Villegas (Ysmael) Middle School	Riverside	Riverside	5	Aerodynamics/ Hydrodynamics
S0215	Redak, Caitlin A.	9	North (John Wesley) High School	Riverside	Riverside	2	Applied Mechanics & Structures
S0914	Richeri, Jessica A.	11	Centennial High School	Corona	Riverside	1	Electronics & Electromagnetics
S1905	Buch, Shyamal	9	Vista del Lago High School	Folsom	Sacramento	2	Physics & Astronomy
S1404	Ghorakavi, Anuhya V.	12	Folsom High School	Folsom	Sacramento	4	Mammalian Biology
S1404	Gupta, Naman	12	Folsom High School	Folsom	Sacramento	4	Mammalian Biology
S1404	Sood, Anshum	12	Folsom High School	Folsom	Sacramento	4	Mammalian Biology
J1908	Janner, Michael L.	8	Moore Middle School	Redlands	San Bernardino	2	Physics & Astronomy
J0317	Karlsson, Dylan J.	8	St. Adelaide School	Highland	San Bernardino	4	Behavioral & Social Sciences
J1120	Macleod, Charles P.	8	Sacred Heart Academy	Redlands	San Bernardino	3	Environmental Engineering
J0709	Monaghan, Joseph P.	7	St. Adelaide School	Highland	San Bernardino	4	Earth Science
J0910	Myers, Justin R.	8	Heritage Intermediate School	Fontana	San Bernardino	5	Electronics & Electromagnetics
J0127	Richey, Hannah J.	8	Moore Middle School	Redlands	San Bernardino	5	Aerodynamics/ Hydrodynamics
J2322	Velasquez, Esmeralda	6	Hinkley Middle School	Hinkley	San Bernardino	5	Toxicology
J2101	Beaulieu, Austin C.	7	Our Lady of Grace School	El Cajon	San Diego	5	Product Science (Biological)
S0902	Braun, Weston D.	9	San Dieguito High School Academy	Encinitas	San Diego	4	Electronics & Electromagnetics
S0501	Cao, Xiaoyu (Carrie)	11	Torrey Pines High School	Encinitas	San Diego	1	Chemistry
J1303	Chayet, Jose B.	8	San Diego Jewish Academy	San Diego	San Diego	4	Human Biology
S0906	Cosman, Rafael S.	11	La Jolla Senior High School	La Jolla	San Diego	2	Electronics & Electromagnetics
J0403	D'Souza, Sara N.	8	Carmel Valley Middle School	San Diego	San Diego	4	Biochemistry/ Molecular Biology
J2209	DeHamer, Kalee L.	8	Pershing (John J.) Middle School	San Diego	San Diego	5	Product Science (Physical)
S1705	Drake, Jillian A.	9	Fallbrook Union High School	Fallbrook	San Diego	4	Microbiology
S1707	Estrella, Kathleen F.	11	High Tech High	San Diego	San Diego	5	Microbiology
J1307	Frank, Sara T.S.	8	San Diego Jewish Academy	San Diego	San Diego	1	Human Biology
J2406	Hammond, Savannah E.	7	Rhoades (The) School	Encinitas	San Diego	1	Zoology
S0310	Hogan, Zachary A.	11	High Tech High	San Diego	San Diego	5	Behavioral & Social Sciences
J2408	Houk, Katherine A.	7	Rhoades (The) School	Encinitas	San Diego	2	Zoology
J0510	Jamil, Kamran M.	8	Bishop's (The) School	La Jolla	San Diego	2	Chemistry

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J0615	Kahan, Jeremy A.	8	San Diego (Soille) Hebrew Day School	San Diego	San Diego	5 Cognitive Science
S0310	Krinsky, Allan J.	11	High Tech High	San Diego	San Diego	5 Behavioral & Social Sciences
S1607	Lehmann, Meredith P.	10	Bishop's (The) School	La Jolla	San Diego	2 Mathematics & Software
S0823	Li, Judy J.	12	Canyon Crest Academy	San Diego	San Diego	3 Earth & Environment
J0216	Lilya, Grant M.	8	Correia (Steven V.) Junior High School	San Diego	San Diego	2 Applied Mechanics & Structures
J2217	Manohar, Peter S.	7	Rhoades (The) School	Encinitas	San Diego	5 Product Science (Physical)
J0114	McCay, Aidan P.	7	All Hallows Academy	La Jolla	San Diego	5 Aerodynamics/ Hydrodynamics
J1728	Mohamed, Zacariye	8	Islamic School of San Diego	San Diego	San Diego	5 Microbiology
S1707	Nettleton, Jason W.	11	High Tech High	San Diego	San Diego	5 Microbiology
J2022	Oury, W. Brock	8	Rhoades (The) School	Encinitas	San Diego	1 Plant Biology
J2417	Perez, Matthew P.	7	Nazareth School	San Diego	San Diego	5 Zoology
J1516	Poole, Andrew J.	8	Rhoades (The) School	Encinitas	San Diego	3 Materials Science
J0629	Robaia, Paul A.	8	Pershing (John J.) Middle School	San Diego	San Diego	5 Cognitive Science
S0906	Schild, Aaron V.	12	Bishop's (The) School	La Jolla	San Diego	2 Electronics & Electromagnetics
S0417	Sharma, Arjun B.	10	Bishop's (The) School	La Jolla	San Diego	5 Biochemistry/ Molecular Biology
S1615	Simpson, Anna K.	12	Henry (Patrick) Senior High School	San Diego	San Diego	5 Mathematics & Software
S0515	Su, Rebecca	10	Torrey Pines High School	Encinitas	San Diego	2 Chemistry
J1611	Todd, Jacob A.	8	Marshall (Thurgood) Middle School	San Diego	San Diego	2 Mathematics & Software
J2499	Van Houten, Avery L.	7	Rhoades (The) School	Encinitas	San Diego	3 Zoology
S0327	Vredenburgh, Michael J.	12	Carlsbad High School	Carlsbad	San Diego	4 Behavioral & Social Sciences
S0916	Wu, Mike	10	Torrey Pines High School	Encinitas	San Diego	5 Electronics & Electromagnetics
J2135	Yu, Eric T.	7	Rhoades (The) School	Encinitas	San Diego	4 Product Science (Biological)
J0903	Baldwin, Will H.	7	Woodside Elementary School	Woodside	San Mateo	1 Electronics & Electromagnetics
J0202	Bennett, Conner R.	7	La Entrada Middle School	Menlo Park	San Mateo	5 Applied Mechanics & Structures
S1701	Bennett, Ian J.	9	Sacred Heart Preparatory	Atherton	San Mateo	5 Microbiology
J0506	Brown, Timothy S.	7	Woodside Elementary School	Woodside	San Mateo	4 Chemistry
J0604	Chandless, Aidan P.	7	St. Matthew's Episcopal School	San Mateo	San Mateo	4 Cognitive Science
S1910	Dubrow, Zoe E.	11	Carlmont High School	Belmont	San Mateo	3 Physics & Astronomy
J1607	Lonberg, Nikhil	7	Woodside Elementary School	Woodside	San Mateo	5 Mathematics & Software
J2018	Moropoulos, Matthew C.	8	Ralston Middle School	Belmont	San Mateo	4 Plant Biology
J0320	Oro, Ethan S.	6	Hillview Middle School	Menlo Park	San Mateo	5 Behavioral & Social Sciences
J1028	Romani, Roger K.	8	Corte Madera Middle School	Portola Valley	San Mateo	1 Energy & Power
S0830	Rothschild-Mancinelli, Kyle R.	12	Carlmont High School	Belmont	San Mateo	5 Earth & Environment
J1612	Werner, Jennie	8	Woodside Elementary School	Woodside	San Mateo	4 Mathematics & Software
J0132	Wong, Matthew	7	Hilldale School	Daly City	San Mateo	4 Aerodynamics/ Hydrodynamics
J1923	Zehnder, Philip S.	6	Central Middle School	San Carlos	San Mateo	5 Physics & Astronomy
J1901	Alcantara, Daniel G., Jr.	8	Goleta Valley Junior High School	Goleta	Santa Barbara	4 Physics & Astronomy
J2104	Bullock, Delia M.	8	Goleta Valley Junior High School	Goleta	Santa Barbara	1 Product Science (Biological)
J1901	Canales, Caylin	8	Goleta Valley Junior High School	Goleta	Santa Barbara	4 Physics & Astronomy

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Proj	Student	Gd	School	City	County	PI Category
S1911	Feldman, Michael J.	9	San Marcos Senior High School	Santa Barbara	Santa Barbara	4 Physics & Astronomy
J0623	Manjunath, Varsha, IV	8	Goleta Valley Junior High School	Goleta	Santa Barbara	2 Cognitive Science
J0412	Matthys, Madeline B.	8	Goleta Valley Junior High School	Goleta	Santa Barbara	3 Biochemistry/ Molecular Biology
S1803	Athavale, Priyanka V.	12	Lynbrook High School	San Jose	Santa Clara	1 Pharmacology
J0104	Balasingam, Namrata R.	7	Challenger School	San Jose	Santa Clara	2 Aerodynamics/ Hydrodynamics
J0902	Balasingam, Arjun V.	8	Challenger School	San Jose	Santa Clara	2 Electronics & Electromagnetics
J1603	Bent, Drew L.	8	Terman Middle School	Palo Alto	Santa Clara	1 Mathematics & Software
S1803	Bhat, Sudarshan	12	Lynbrook High School	San Jose	Santa Clara	1 Pharmacology
J0105	Bhetanabhotla, Vikas C.	8	Harker (The) School	San Jose	Santa Clara	1 Aerodynamics/ Hydrodynamics
S1702	Bodapati, Deepika C.	9	Presentation High School	San Jose	Santa Clara	5 Microbiology
J2003	Butler, Brent D.	8	Ascencion Solorsano Middle School	Gilroy	Santa Clara	2 Plant Biology
J1504	Cox, Emily T.	7	Old Orchard School	Campbell	Santa Clara	4 Materials Science
J1009	Dennig, Paul A., Jr.	6	Springer Elementary School	Mountain View	Santa Clara	2 Energy & Power
S1913	George, Reubin	12	Monta Vista High School	Cupertino	Santa Clara	5 Physics & Astronomy
J1013	Hantke, Sarah K.	8	Pinewood Private - Upper Campus	Los Altos Hills	Santa Clara	4 Energy & Power
S0506	Ho, Audrey W.	11	Gunn (Henry M.) High School	Palo Alto	Santa Clara	3 Chemistry
S1604	Ho, Tony	12	Lynbrook High School	San Jose	Santa Clara	5 Mathematics & Software
S1405	Jang, Eric V.	10	Cupertino High School	Cupertino	Santa Clara	1 Mammalian Biology
S1606	Jayram, Kaavya N.	10	Sravani Academy	San Jose	Santa Clara	1 Mathematics & Software
S0314	Kosaraju, Revanth S.	10	Harker (The) School	San Jose	Santa Clara	3 Behavioral & Social Sciences
S0209	Kroo, Laurel A.	12	Gunn (Henry M.) High School	Palo Alto	Santa Clara	1 Applied Mechanics & Structures
J1721	Lall, Kriti	7	Challenger School	Palo Alto	Santa Clara	3 Microbiology
S1610	Liu, David C.	12	Lynbrook High School	San Jose	Santa Clara	3 Mathematics & Software
S1604	Malhotra, Ritik	12	Lynbrook High School	San Jose	Santa Clara	5 Mathematics & Software
S1917	Mou, Merry	10	Presentation High School	San Jose	Santa Clara	1 Physics & Astronomy
J0218	Nawathe, Prachi	7	Stratford Middle School	San Jose	Santa Clara	5 Applied Mechanics & Structures
S1716	Nelakanti, Raman V.	12	Lynbrook High School	San Jose	Santa Clara	2 Microbiology
J1729	Ng, Natalie	8	Challenger School	Sunnyvale	Santa Clara	1 Microbiology
S0829	Patel, Sonia A.	10	Presentation High School	San Jose	Santa Clara	5 Earth & Environment
S0321	Raghvendra, Shubha S.	10	St. Francis High School	Moutain View	Santa Clara	1 Behavioral & Social Sciences
J1732	Sayana, Anin	6	Challenger School	Sunnyvale	Santa Clara	5 Microbiology
J0419	Sundar, Vikram	8	Harker (The) School	San Jose	Santa Clara	5 Biochemistry/ Molecular Biology
J0421	Thomas, Anna T.	8	St. Christopher School	San Jose	Santa Clara	2 Biochemistry/ Molecular Biology
S2412	Tran, Van H.	12	Oak Grove High School	San Jose	Santa Clara	4 Zoology
S2412	Tran, Jeannie N.	12	Oak Grove High School	San Jose	Santa Clara	4 Zoology
J2228	Tran, Quang-Van T.	6	Most Holy Trinity Elementary School	San Jose	Santa Clara	5 Product Science (Physical)
S2412	Trinh, Katerina A.	12	Oak Grove High School	San Jose	Santa Clara	4 Zoology
J0424	Wang, Steven M.	7	Harker (The) School	San Jose	Santa Clara	5 Biochemistry/ Molecular Biology
S0221	Zarrin, David A.	9	Saratoga High School	Saratoga	Santa Clara	5 Applied Mechanics & Structures

## 2010 California State Science Fair Category Awards (sorted by county)

<b>Proj</b>	<b>Student</b>	<b>Gd</b>	<b>School</b>	<b>City</b>	<b>County</b>	<b>PI</b>	<b>Category</b>
S0423	Zhang, Angela	10	Monta Vista High School	Cupertino	Santa Clara	2	Biochemistry/ Molecular Biology
S2402	Broughton, Beau A.	12	San Lorenzo Valley High School	Felton	Santa Cruz	5	Zoology
S2404	Chesus, Connor J.	11	San Lorenzo Valley High School	Felton	Santa Cruz	3	Zoology
J0311	Gomez, Lourdes M.	8	Moreland Notre Dame	Watsonville	Santa Cruz	2	Behavioral & Social Sciences
J1606	Karplus, Abraham P.	8	Kirby (Georgiana Bruce) Preparatory High Sc	Santa Cruz	Santa Cruz	3	Mathematics & Software
J0410	Loehde-Woolard, Hailey C.	7	Mission Hill Junior High School	Santa Cruz	Santa Cruz	5	Biochemistry/ Molecular Biology
S1611	Mallett, Ian J.	12	San Lorenzo Valley High School	Felton	Santa Cruz	4	Mathematics & Software
S0414	Mascharak, Shamik	11	Santa Cruz High School	Santa Cruz	Santa Cruz	5	Biochemistry/ Molecular Biology
J0220	Nidumolu, Ravi K.	8	Pacific Collegiate School	Santa Cruz	Santa Cruz	4	Applied Mechanics & Structures
S2404	Rinkert, Alexander M.	11	San Lorenzo Valley High School	Felton	Santa Cruz	3	Zoology
S2402	Sweers, Torunn C.	12	San Lorenzo Valley High School	Felton	Santa Cruz	5	Zoology
S0836	Tromba, Isabella M.	12	Pacific Collegiate School	Santa Cruz	Santa Cruz	1	Earth & Environment
S0836	Tromba, Lara V.	12	Pacific Collegiate School	Santa Cruz	Santa Cruz	1	Earth & Environment
J2033	Williams, Catherine H.	7	Baymonte Christian School	Scotts Valley	Santa Cruz	5	Plant Biology
J2012	Lawrence, Elyssa S.	8	Bartlett Middle School	Porterville	Tulare	5	Plant Biology
J1514	Meredith, Madison P.	7	Burton Middle School	Porterville	Tulare	5	Materials Science
J2317	Perry, John M.	8	Kings River Union Elementary	Kingsburg	Tulare	2	Toxicology
J0601	Aggarwal, Shruti	7	Medea Creek Middle School	Oak Park	Ventura	5	Cognitive Science
J1502	Bitterly, Jennifer L.	8	La Reina High School	Thousand Oaks	Ventura	1	Materials Science
S0315	Kukoff, Zachary A.	9	Westlake High School	Westlake Village	Ventura	5	Behavioral & Social Sciences
J1911	L'Heureux, Janelle V.	8	Los Cerritos Middle School	Thousand Oaks	Ventura	3	Physics & Astronomy
J2119	Leitzel, Zachary	8	Trinity Pacific Christian School	Thousand Oaks	Ventura	5	Product Science (Biological)
S0320	Puri, Ishan S.	12	Oak Park High School	Oak Park	Ventura	2	Behavioral & Social Sciences
J2131	Spong, Kaitlyn	8	Sequoia Middle School	Newbury Park	Ventura	5	Product Science (Biological)
J1229	Tadlock, Sarah E.	8	Ojai Valley School	Ojai	Ventura	1	Environmental Science
J0516	Too, Benjamin J.W.	7	Medea Creek Middle School	Oak Park	Ventura	3	Chemistry
J0226	Van Benschoten, Joshua J.	8	Sequoia Middle School	Newbury Park	Ventura	5	Applied Mechanics & Structures





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2010 Special Awards

**Air Quality/ 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:** S0813, Xinyue Fang, San Diego County

**Junior Division:** J2315, Katie R. Lefley, Santa Barbara County

**Honorable Mention:** S0206, the team of Jonathan E. Deming and Anthony J. Mosallam, Riverside County

**Honorable Mention:** S0209, Laurel A. Kroo, Santa Clara County

**Honorable Mention:** S0828, Andrew C. Ng, Fresno County

**Honorable Mention:** S0835, Sashank S. Srinivasan, Santa Clara County

**Honorable Mention:** S1719, Cody A. Peterson, Orange County

**Honorable Mention:** S2005, Caroline A. Frost, Los Angeles County

**Honorable Mention:** J0314, Allison T. Hickok, Orange County

**Honorable Mention:** J1221, Aashna M. Parekh, Orange County

**Honorable Mention:** J2021, Ania Kaila Osuna, Fresno County

**Honorable Mention:** J2407, Yosira I. Hernandez, San Bernardino County

**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 a \$1,000 US Savings Bond. Presented by the California Association of Pest Control Advisors.

**Senior Division:** S2403, Aubryn R. Butterfield, Kern County

**Junior Division:** J2020, Emily Nevens, Los Angeles 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. 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:** S0412, Andrew Ma, Santa Clara 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:** S0819, Joshua J. Kim, Orange County

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**Dr. Ibrahim El-Hefni Achievement in Science Award** – For students best exemplifying the values of Dr. El-Hefni, a self-made man and brilliant inventor who personified the American Dream through education and hard work. Award is \$500 in the Senior Division, \$250 in the Junior Division. Presented by the Dr. Ibrahim El-Hefni Technical Training Foundation.

**Award:** S0311, Chrystal Johnson, Los Angeles County

**Award:** S0509, Donald S. Mathis, Kern County

**Award:** S0826, Violeta Martinez, Los Angeles County

**Award:** S1827, Jeannette W. Wright, Los Angeles County

**Award:** S2409, Adrienne B. McColl, Los Angeles County

**Award:** J0125, H. Grace Prall, Kern County

**Award:** J0213, Madeline C. Kuney, Kern County

**Award:** J0409, Cody L. Lim, Los Angeles County

**Award:** J0909, Anthony J. Martin, Kern County

**Award:** J1117, Gerardo de Jesus Lancaster, Imperial County

**Award:** J1225, Dustin N. Rutherford, Fresno County

**Award:** J1301, the team of Isabella N. Castrodale and Sophia L. Castrodale, Riverside County

**Award:** J2214, Robin G. Lillie, Butte County

**Award:** J2322, Esmeralda Velasquez, San Bernardino County

**MJMPM.com Award for Excellence in Electronics and Electromagnetics** – For achievement in electronics and electromagnetic studies in honor of Michael J. McVey of MJM Performance Management. Limited to projects in the Senior Division. Award is \$500. Presented anonymously.

**Award:** S0914, Jessica A. Richeri, Riverside 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 February. 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:** J0903, Will H. Baldwin, San Mateo County

**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:** S1606, Kaavya N. Jayram, Santa Clara County

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**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:** J0902, Arjun V. Balasingam, Santa Clara 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 and a certificate. Presented by SPIE, the international society for optics and photonics.

**Senior Division:** S0906, the team of Rafael S. Cosman and Aaron V. Schild, San Diego County

**Junior Division:** J0112, Timothy R. Le, Los Angeles 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:** S0420, Jane Y. Suh, 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:** S0312, the team of Jotthe Kannappan, Isheeta H. Madeka, and Natasha H. Patel, Kern County

**Junior Division:** J0421, Anna T. Thomas, Santa Clara 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.

**Student:** S0502, Tiffany Chien, Santa Clara 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.

**Student:** J2415, Bailee S. Nelson, San Benito 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:** S1818, Katelyn R. Paxton, Riverside County

**CCGO Geoscience Award** – For an outstanding project in the field of geosciences. One award 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:** S0836, the team of Isabella M. Tromba and Lara V. Tromba, Santa Cruz County

**Junior Division:** J0706, Sawyer L. Judge, Los Angeles 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 \$100. Presented by the Center for Plant Cell Biology of the University of California, Riverside.

**Award:** S2017, Alexander J. Sercel, Los Angeles County

**Clinical Chemistry Award** – For interesting and original projects that impact the future of clinical chemistry. Two 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:** S0417, Arjun B. Sharma, San Diego County

**Senior Division:** S0506, Audrey W. Ho, Santa Clara County

**Junior Division:** J0421, Anna T. Thomas, Santa Clara County

**Junior Division:** J0504, Danielle M. Behrens, Kern 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 Junior Division. Award is \$250 and membership in CSBPA, California Chapter. Presented by the California Shore & Beach Preservation Association.

**Award:** J1227, Divya Siddarth, Los Angeles County

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**Hauta Wissmann Foundation Mammalian Biology Award** – For an outstanding biology project. Limited to the Junior Division. Award is an exact osteologic reproduction of an animal skull. Presented by the Hauta Wissmann Foundation.

**Student:** J2405, Natalie A. Davis, Butte 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, Honorable Mention award is \$25. Each receives a certificate. Presented by the Southern California Chapter of the Health Physics Society.

**First Place:** J1905, Spencer G. Ford, San Diego County

**Honorable Mention:** S1901, David Agdashian, Los Angeles County

**Science Buddies Clever Science Award** – For projects which best use innovative, low-cost experimental techniques to answer interesting scientific and engineering questions. Award is \$50 and a certificate. Presented by the Science Buddies Program of the Kenneth Lafferty Hess Family Charitable Foundation.

**Award:** J0317, Dylan J. Karlsson, San Bernardino County

**Award:** J0901, Luke A. Agajanian, Los Angeles County

**Award:** J0902, Arjun V. Balasingam, Santa Clara County

**Award:** J1002, Braeden C. Benedict, Los Angeles County

**Award:** J2205, Gautam C. Bose, San Diego 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 and a certificate. Presented by the Los Angeles Chapter of the Society of Petroleum Engineers.

**Award:** S1928, Matt A. West, Los Angeles County

**Award:** J0702, Mathew J. Chaffee, Kern County

**Award:** J0703, Tristan J. Chester, Fresno 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 and a certificate. Presented by SPIE, the international society for optics and photonics.

**Senior Division:** S1601, the team of Tushar Alladi, Parag D. Kikla, and Arun R. Kuchibhotla, Santa Clara County

**Junior Division:** J0132, Matthew Wong, San Mateo County

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**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:** S0809, Brennan T. Coulter, Los Angeles 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:** S0404, Jolie P. Cooperman, Los Angeles County

**Senior Division, Second Place:** S1412, Sara Yusufaly, Riverside County

**Junior Division, First Place:** J0621, Alexandra Maloof, Imperial County

**Junior Division, Second Place:** J0605, Brian A. Clark, Monterey County

**U.S. Fish & Wildlife Service** – One official certificate presented to the project deemed useful in conserving California's biological diversity and ecological integrity. Sponsored by the Department of the Interior, U.S. Fish & Wildlife Service, Carlsbad Fish and Wildlife Office.

**Award:** S2006, Christina E. Gerges, Riverside County