



## Agricultural/Environmental Innovation

### Agricultural/Environmental Innovation -- Grades: All (7 entries)

- 1st Place: : Grant Eklund  
Project: Which Earthworm Diets Effect the Phosphorus Level the Most?  
Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Mitchell Trnka  
Project: Is GMO Food or Foe?  
Affiliation: E.V. Cain STEM Charter School

## Invention

### Invention -- Grades: All (7 entries)

- 1st Place: : Mitchell Herbert  
Project: Radio Rewind  
Affiliation: Woodcreek High School
- 2nd Place: : Daniel Klug  
Project: The Speed-Stop  
Affiliation: Creekview Ranch School

## Reverse Engineering

### Reverse Engineering -- Grades: All (5 entries)

- 1st Place: : Navya and Sai: Team of 2  
(Navya Kompella & Sai Suresh)  
Project: Reverse Engineering - AM/FM Clock Radio  
Affiliation: Granite Bay High School

## Robotics and Computer Science

### Robotics and Computer Science -- Grades: All (8 entries)

- 1st Place: : Merrick Slane  
Project: 16 bit RISC Virtual Machine  
Affiliation: Placer High School
- 2nd Place: : Mematics: Team of 3  
(Aptolis Delis & Kevin Chang & Trevor Stenson)  
Project: Application of Machine Learning to Quantify Climate Change Effects  
Affiliation: Western Sierra Collegiate Academy
- 3rd Place: : Mitchell Herbert  
Project: Radio Rewind  
Affiliation: Woodcreek High School

## Rube Goldberg

### Rube Goldberg -- Grades: All (15 entries)

- 1st Place: : William Ponseti  
 Project: The American Way  
 Affiliation: Home School
- 2nd Place: : Marissa Jilot  
 Project: Watering a Plant  
 Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Kimberly Price  
 Project: Switch Flicker  
 Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Aidan Oddo  
 Project: Aidan Oddo's rube Goldberg  
 Affiliation: E.V. Cain STEM Charter School

## Science Fiction

### Science Fiction -- Grades: All (4 entries)

- 1st Place: : Annika Krein  
 Project: Convictions for Things Unseen  
 Affiliation: Del Oro Highschool

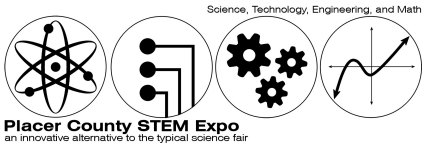
## Scientific Inquiry

### Scientific Inquiry -- Grades: 3rd-5th (5 entries)

- 1st Place: : Elle Robinson  
 Project: Can You Lower Your Energy Bill With Color?  
 Affiliation: Placer Academy

### Scientific Inquiry -- Grades: 6th (67 entries)

- 1st Place: : Jake Graham  
 Project: Taking Flight  
 Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Heather Halog  
 Project: Can You Hear Me Now?  
 Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Marissa Jilot  
 Project: Chemotaxis in Physarum Polycephalum  
 Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Cody Gray  
 Project: Weight Distribution: How Fast Can I Go?  
 Affiliation: E.V. Cain STEM Charter School



## Scientific Inquiry -- Grades: 7th-12th (14 entries)

1st Place: : Kirsten Jilot  
 Project: EDTA and Lysozymes: Weakening the Cell Walls of Gram Positive and Negative Bacteria  
 Affiliation: E.V. Cain STEM Charter School

2nd Place: : Catherine Colella  
 Project: A Study of the Parabolic Reflector  
 Affiliation: Western Sierra Collegiate Academy

2nd Place: : Ilene Shturman  
 Project: Does the isoflavone (genistein) commonly in soy promote the growth, have no effect, or slow down the growth of breast cancer?  
 Affiliation: Western Sierra Collegiate Academy

3rd Place: : Richard Korshkov  
 Project: Quantum Levitation and Diminishing Electrical Resistance In Unconventional Superconductors  
 Affiliation: Western Sierra Collegiate Academy

## General Awards

### - Creative Arts Award

1st Place: : Victoria Lin  
 Project: The Drozaniah Experiment  
 Affiliation: Excelsior Elementary

2nd Place: : Elizabeth Roe  
 Project: How Does Your Garden Grow  
 Affiliation: Community Christian School

3rd Place: : William Ponseti  
 Project: The American Way  
 Affiliation: Home School

### - Research Award

1st Place: : Kirsten Jilot  
 Project: EDTA and Lysozymes: Weakening the Cell Walls of Gram Positive and Negative Bacteria  
 Affiliation: E.V. Cain STEM Charter School

2nd Place: : Marissa Jilot  
 Project: Chemotaxis in Physarum Polycephalum  
 Affiliation: E.V. Cain STEM Charter School

3rd Place: : Richard Korshkov  
 Project: Quantum Levitation and Diminishing Electrical Resistance In Unconventional Superconductors  
 Affiliation: Western Sierra Collegiate Academy

3rd Place: : Ilene Shturman  
 Project: Does the isoflavone (genistein) commonly in soy promote the growth, have no effect, or slow down the growth of breast cancer?  
 Affiliation: Western Sierra Collegiate Academy

## California State Science Fair - Advancement

- 1st Place: : Jake Graham  
 Project: Taking Flight  
 Affiliation: E.V. Cain STEM Charter School
- 1st Place: : Ilene Shturman  
 Project: Does the isoflavone (genistein) commonly in soy promote the growth, have no effect, or slow down the growth of breast cancer?  
 Affiliation: Western Sierra Collegiate Academy
- 1st Place: : Richard Korshkov  
 Project: Quantum Levitation and Diminishing Electrical Resistance In Unconventional Superconductors  
 Affiliation: Western Sierra Collegiate Academy
- 1st Place: : Kirsten Jilot  
 Project: EDTA and Lysozymes: Weakening the Cell Walls of Gram Positive and Negative Bacteria  
 Affiliation: E.V. Cain STEM Charter School
- 1st Place: : Heather Halog  
 Project: Can You Hear Me Now?  
 Affiliation: E.V. Cain STEM Charter School
- 1st Place: : Kaya Moore  
 Project: It's too noisy in here to remember anything: What is the effect of white noise on memory?  
 Affiliation: E.V. Cain STEM Charter School

## California State Science Fair - Alternate

- 1st Place: : Mitchell Herbert  
 Project: Radio Rewind  
 Affiliation: Woodcreek High School