

STEM Expo 2016 Awards

53 Awards Presented

Agricultural/Environmental Innovation

Agricultural/Environmental Innovation -- Grades: All (10 entries)

- 1st Place: : Minsky's Mathematicians: Team of 5
(Apostolos Delis, Kevin Chang, Kevin Côte, Trevor Stenson, Jason Ho)
Project: The Mathematics behind Car Sharing
Affiliation: Western Sierra Collegiate Academy
- 2nd Place: : Pedal Power: Team of 2
(Brooklyn Lane & Morgan Klink)
Project: The Power of Kinetic Energy
Affiliation: Bowman Charter School
- 3rd Place: : Kevin Chang
Project: Fusion Power
Affiliation: Western Sierra Collegiate Academy

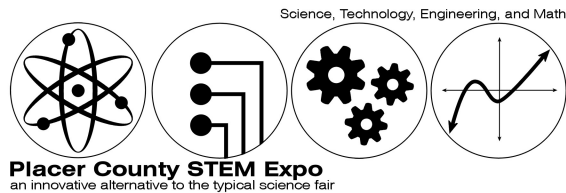
Invention

Invention -- Grades: 3rd-6th (8 entries)

- 1st Place: : Thomas Williams
Project: Project Xenos
Affiliation: H Clarke Powers Elementary
- 2nd Place: : Archit S Dash
Project: Eye/Brain Muscle Exercise
Affiliation: Rocklin Elementary
- 3rd Place: : Ellie Mahoney
Project: The Pet-Glo
Affiliation: Twelve Bridges Elementary School

Invention -- Grades: 7th-12th (10 entries)

- 1st Place: : Mitchell Herbert
Project: Project Capseid
Affiliation: Woodcreek High School
- 2nd Place: : Chicken Protection Agency: Team of 2
(Clara Klug & Markus Klug)
Project: Chick-Inn
Affiliation: Harvest Ridge Placer Academy
- 3rd Place: : Tirth Surti
Project: Arduino Medicine Reminder
Affiliation: Loomis Basin Charter School



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Reverse Engineering

Reverse Engineering -- Grades: All (24 entries)

1st Place: : Navya & Sai: Team of 2
(Navya Kompella & Sai Suresh)
Project: Reverse Engineering- Digital Camera
Affiliation: Granite Bay High School

2nd Place: : Kyle Wheeler
Project: Reverse Engineering: Belt Sander
Affiliation: Grace Classical Academy

3rd Place: : Allie Jones
Project: Break Down of an Electric Razor
Affiliation: Excelsior Elementary School

3rd Place: : Classic 9+1=10: Team of 2
(Evan Loveday & johnny Mourier)
Project: Electric Wind
Affiliation: H. Clarke Powers Elementary

Robotics and Computer Science

Robotics and Computer Science -- Grades: All (16 entries)

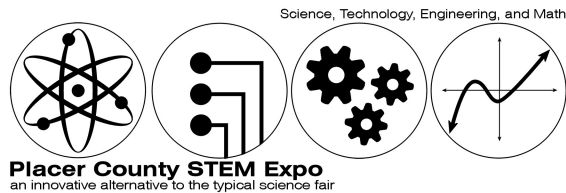
1st Place: : Tucker Dunbar
Project: Project IRNMN
Affiliation: Western Sierra Collegiate Academy

1st Place: : Mitchell Herbert
Project: Project Capseid
Affiliation: Woodcreek High School

2nd Place: : Team Weather Now!: Team of 2
(Neo Beames & Jedidiah Shield)
Project: Rocket Weather?
Affiliation: Bowman Charter School

3rd Place: : Tirth Surti
Project: Arduino Medicine Reminder
Affiliation: Loomis Basin Charter School

3rd Place: : Team DNJ: Team of 3
(Jace Golka & Dylan Jones & Neel Ramesh)
Project: RollerBall Madness
Affiliation: Barbara Chilton Middle School



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Rube Goldberg

Rube Goldberg -- Grades: 3rd-5th (10 entries)

- 1st Place: : Engineering Brothers: Team of 2
(William Ponseti & Neil Ponseti)
Project: Crazy Contraption in Action
Affiliation: Home School
- 2nd Place: : Kodiaks: Team of 2
(Joshua Rensing & Alex Tucker Parfet)
Project: Kodiaks
Affiliation: Newcastle School
- 3rd Place: : Riley Nelson
Project: Idea Junkyard
Affiliation: Twelve Bridges Elementry

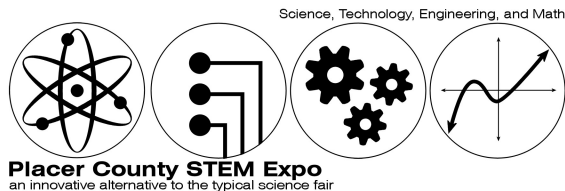
Rube Goldberg -- Grades: 6th-12th (18 entries)

- 1st Place: : Mateo Packard
Project: Dog Crate Opener
Affiliation: E.V. Cain STEM Charter Middle School
- 2nd Place: : Candy Carnival: Team of 2
(Rebecca Slutsky & Maria Segall)
Project: Candy Carnival: Rube Goldberg Machine
Affiliation: Excelsior Elementary School
- 3rd Place: : Kirsten Jilot
Project: Kirsten's Rube Goldberg Project
Affiliation: E.V. Cain STEM Charter Middle School
- 3rd Place: : Hannah Bruce
Project: Rube Gooldberg
Affiliation: E.V. Cain STEM Charter Middle School

Science Fiction

Science Fiction -- Grades: All (11 entries)

- 1st Place: : Annika Krein
Project: Interstellar Transmissions
Affiliation: H. Clarke Powers Elementary
- 2nd Place: : Cheyenne Phillips
Project: The Time Lapse
Affiliation: Forest Lake Christian School
- 3rd Place: : Sadie Cuniberti
Project: Two Dimensions, Two Me's
Affiliation: Forest Lake Christian School



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Scientific Inquiry

Scientific Inquiry -- Grades: 3rd-5th (9 entries)

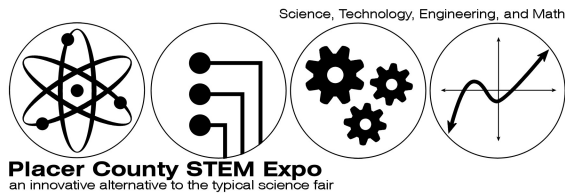
- 1st Place: : Ian Pierce
Project: Do You Have The Force? Body Temperature and Thermoelectricity
Affiliation: Rocklin Elementary
- 2nd Place: : Kyra Story
Project: Cockroach Feeding Behavior in Constant Light and Dark
Affiliation: Twelve Bridges Elementary School
- 3rd Place: : Cael Gawthorne
Project: Paper Plunge
Affiliation: Home School
- 3rd Place: : Auria Gawthorne
Project: How Much Water?
Affiliation: Home School

Scientific Inquiry -- Grades: 6th (72 entries)

- 1st Place: : Amaya Schumaker
Project: Soak it Up
Affiliation: E.V. Cain STEM Charter Middle School
- 2nd Place: : Kirsten Jilot
Project: How Does An Electromagnetic Field Affect Single Celled Organisms?
Affiliation: E.V. Cain STEM Charter Middle School
- 3rd Place: : Mateo Packard
Project: Do You Remember Color or Black Better?
Affiliation: E.V. Cain STEM Charter Middle School

Scientific Inquiry -- Grades: 7th-12th (22 entries)

- 1st Place: : Henry Low
Project: Assessing the Effectiveness of Virtual Psychotherapy Treatments for OCD by Developing
Affiliation: Western Sierra Collegiate Academy
- 2nd Place: : Lindsay Lau
Project: Lowering Glucose Levels with Natural Supplements
Affiliation: Western Sierra Collegiate Academy
- 3rd Place: : Richard Korshkov
Project: Salt Water to Drinking Water
Affiliation: Western Sierra Collegiate Academy
- 3rd Place: : Audrey Robinson
Project: Don't Get Burned
Affiliation: Harvest Ridge Placer Academy



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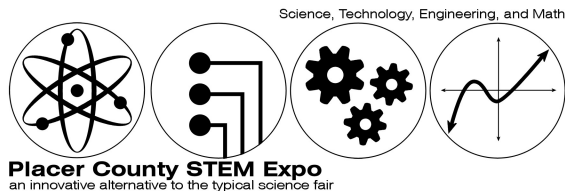
General Awards

Research Award

- 1st Place: : Minsky's Mathematicians: Team of 5
(Apostolos Delis, Kevin Chang, Kevin Côté, Trevor Stenson, Jason Ho)
Project: The Mathematics behind Car Sharing
Affiliation: Western Sierra Collegiate Academy
- 2nd Place: : Tucker Dunbar
Project: Project IRNMN
Affiliation: Western Sierra Collegiate Academy
- 3rd Place: : Richard Korshkov
Project: Salt Water to Drinking Water
Affiliation: Western Sierra Collegiate Academy

Creative Arts Award

- 1st Place: : Henry Miller
Project: Which Bridge do you Trusst
Affiliation: Sunset Ranch Elementary
- 2nd Place: : Annika Krein
Project: Interstellar Transmissions
Affiliation: H. Clarke Powers Elementary
- 3rd Place: : Morgan & Jessica: Team of 2
(Morgan Wozniak & Jessica Jenkins)
Project: How Many of Each Planet Can Fit in the Sun?
Affiliation: Bowman Charter School



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Advancing to CSSF (Random Order)

- 1st Place: : Addison Arsenith
Project: Which Preservative synthetic or natural will inhibit the growth of bacterial microorganisms
Affiliation: E.V. Cain STEM Charter Middle School
- 1st Place: : Richard Korshkov
Project: Salt Water to Drinking Water
Affiliation: Western Sierra Collegiate Academy
- 1st Place: : Tucker Dunbar
Project: Project IRNMN
Affiliation: Western Sierra Collegiate Academy
- 1st Place: : Henry Low
Project: Assessing the Effectiveness of Virtual Psychotherapy Treatments for OCD by Developing
Affiliation: Western Sierra Collegiate Academy
- 1st Place: : Mitchell Herbert
Project: Project Capseid
Affiliation: Woodcreek High School
- 1st Place: : Audrey Robinson
Project: Don't Get Burned
Affiliation: Harvest Ridge Placer Academy

CSSF Alternates (Random Order)

- 2nd Place: : Bailey Brazil
Project: Are Vitamin B12 Injections or Capsules More Absorbent In Blood?
Affiliation: E.V. Cain STEM Charter Middle School
- 2nd Place: : Kirsten Jilot
Project: How Does An Electromagnetic Field Affect Single Celled Organisms?
Affiliation: E.V. Cain STEM Charter Middle School