

Creative Arts

1st Place: : Kyla Rector
Project: Rube Goldberg: Exploding Soda Bottle
Affiliation: E.V. Cain STEM Charter School

2nd Place: : Elle Robinson
Project: Connection
Affiliation: Placer Academy

3rd Place: : William Ponseti
Project: Give Me Five
Affiliation: Home School

3rd Place: : Neil Ponseti
Project: Toytastic
Affiliation: Loomis Basin

CSEF Advancement

1st Place: : Caleb Caminiti
Project: The Effects of Toothpaste on Bacteria Growth
Affiliation: Grace Classical Academy

1st Place: : Leah Booth
Project: The Effects of Background Noise to Auditory Perception
Affiliation: E.V. Cain STEM Charter School

1st Place: : Holden Robertson
Project: Which Cryptography Cipher (Ceaser Cipher, Polybius Square, Vigenere Cipher) is the Most Difficult for a Computer to Decode.
Affiliation: E.V. Cain STEM Charter School

1st Place: : Jamison Celio
Project: How Much Time of Exposure to Ultraviolet Rays will kill E.Coli?
Affiliation: E.V. Cain STEM Charter School

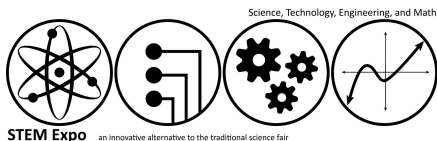
1st Place: : Mitchell Herbert
Project: An Analysis of Ternary Computing
Affiliation: Woodcreek High School

1st Place: : Libbie Shykowski
Project: Horsin' Around
Affiliation: Grace Classical Academy (AKA: GCA)

2nd Place: : Mari Ziegler
Project: Biomimicry House
Affiliation: Weimar Hills School

Imagination

1st Place: : Jocie Schauer
Project: Do You Remember More Words When Writing with Your Dominate Hand or Your Non-Dominate Hand
Affiliation: E.V. Cain STEM Charter School



Judges Award: Growing Above the Bar

1st Place: : Karma Nelson
Project: Gravitropism Growing!
Affiliation: E.V. Cain STEM Charter School

Judges Award: Taking Care of Fizzness

1st Place: : Ava Casagrande
Project: What makes a bath bomb FIZZ
Affiliation: Excelsior Elementary

Research

1st Place: : Valentino Arrostuto
Project: The effect of Age on the Eyes Ability to adjust to darkness
Affiliation: E.V. Cain STEM Charter School

2nd Place: : Shay Nair Sharma
Project: A Novel Intervention in the Education of Skin Protection and Skin Cancer Knowledge in a High School Population
Affiliation: Franklin High School

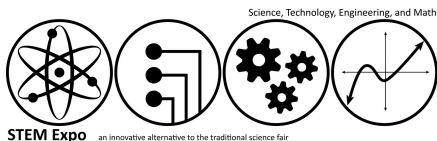
3rd Place: : Allyson Mickel
Project: Which % of Isopropyl or Ethanol Makes a Bottle Rocket the Biggest Combustion
Affiliation: E.V. Cain STEM Charter School

Computation and Robotics

Computation and Robotics -- Grades: All (6 entries)

1st Place: : Holden Robertson
Project: Which Cryptography Cipher (Ceaser Cipher, Polybius Square, Vigenere Cipher) is the Most Difficult for a Computer to Decode.
Affiliation: E.V. Cain STEM Charter School

2nd Place: ---



Infernal Contraptions

Infernal Contraptions -- Grades: All (16 entries)

- 1st Place: : Kyla Rector
Project: Rube Goldberg: Exploding Soda Bottle
Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Holden Robertson
Project: The Hard Way To Water A Plant
Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Leah Booth
Project: Leah's Rube Goldberg
Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Wolfpack: Team of 3
(Marshall Alcorn & Tyson Thomas & Nick Tank)
Project: Rolling Wonder
Affiliation: Home School

Intelligence and Behavior

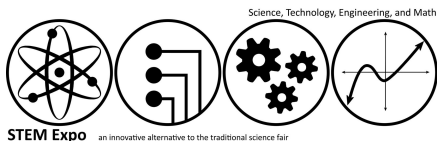
Intelligence and Behavior -- Grades: All (26 entries)

- 1st Place: : Shay Nair Sharma
Project: A Novel Intervention in the Education of Skin Protection and Skin Cancer Knowledge in a High School Population
Affiliation: Franklin High School
- 2nd Place: : Libbie Shykowski
Project: Horsin' Around
Affiliation: Grace Classical Academy (AKA: GCA)
- 3rd Place: : Annabel Easton
Project: Does Cultural Background have an Effect on Learning Styles
Affiliation: E.V. Cain STEM Charter School

Invention and Reverse Engineering

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

- 1st Place: : Ryan Kratzschmar
Project: Which Wind Turbine Produces more Energy, Horizontal Axis Wind Turbines or Vertical Axis Wind Turbines?
Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Holden Robertson
Project: Which Cryptography Cipher (Ceaser Cipher, Polybius Square, Vigenere Cipher) is the Most Difficult for a Computer to Decode.
Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Ansh Thakkar
Project: Temperature Controlling System
Affiliation: Sunset Ranch Elementary School



Invention and Reverse Engineering -- Grades: 7th-12th (15 entries)

- 1st Place: : Mari Ziegler
Project: Biomimicry House
Affiliation: Weimar Hills School
- 2nd Place: : Jason Caminiti
Project: Electric Fan
Affiliation: Grace Classical Academy
- 3rd Place: : James Oakes
Project: Barricade RV-10 Inside Out
Affiliation: Grace Classical Academy

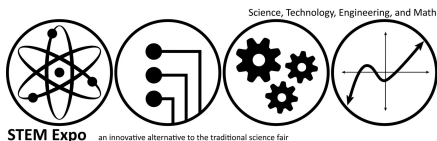
Living Things

Living Things -- Grades: 3rd-6th (31 entries)

- 1st Place: : Jamison Celio
Project: How Much Time of Exposure to Ultraviolet Rays will kill E.Coli?
Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Ian Reynolds
Project: Hydroponics vs Aquaponics which is a better growth method?
Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Braeden Brazil
Project: Chlorine Pools vs. Salt Pools: Which has more Bacteria?
Affiliation: E.V. Cain STEM Charter School

Living Things -- Grades: 7th-12th (9 entries)

- 1st Place: : Shay Nair Sharma
Project: A Novel Intervention in the Education of Skin Protection and Skin Cancer Knowledge in a High School Population
Affiliation: Franklin High School
- 2nd Place: : Caleb Caminiti
Project: The Effects of Toothpaste on Bacteria Growth
Affiliation: Grace Classical Academy
- 3rd Place: : Name Withheld
Project: Sustainable Plant Growth
Affiliation: Granite Bay Montessori



The Physical Universe

The Physical Universe -- Grades: All (25 entries)

- 1st Place: : Allyson Mickel
Project: Which % of Isopropyl or Ethanol Makes a Bottle Rocket the Biggest Combustion
Affiliation: E.V. Cain STEM Charter School
- 2nd Place: : Anna Soares
Project: Watts Up in Your House?
Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Ella Johnson
Project: Do Flame Resistant Baby Clothes Lose Their Effectiveness After Repeated Washings?
Affiliation: E.V. Cain STEM Charter School
- 3rd Place: : Evan Fuller
Project: What's the Best Position for an Accelerator Weight on a Skateboard?
Affiliation: E.V. Cain STEM Charter School

Science Fiction

Science Fiction -- Grades: All (6 entries)

- 1st Place: : Peyton Hickey
Project: Breaking the Stars
Affiliation: Grace Classical Academy
- 2nd Place: : Elle Robinson
Project: Connection
Affiliation: Placer Academy
- 3rd Place: : Ella Sharples
Project: Life of A Scientist
Affiliation: H. Clarke Powers Elementary