



69th Annual GSDSEF

2023

First Awards





69th Annual GSDSEF

Junior Division

First Awards





1st Award - Junior Division

Animal Sciences





1st Award - Junior Division

Animal Sciences

Anabia Ehsan

Bright Horizon Academy 6-8
Advisor: N. Nasereldin

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Animal Sciences

Aya Ajanovic

Bright Horizon Academy 6-8
Advisor: N. Nasereldin

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Behavioral and Social Sciences





1st Award - Junior Division

Behavioral and Social Sciences

Omar Abdulaziz

Bright Horizon Academy 6-8

Advisor: N. Nasereldin

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Behavioral and Social Sciences

Lily Long

The Rhoades School
Advisor: R. Hunker

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Behavioral and Social Sciences

Menachem Weiser

San Diego Hebrew Day School
Advisor: S. Jones

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Behavioral and Social Sciences

Eric Rodriguez

Mt. Helix Academy
Advisor: K. MacDonald

CSEF Nominee





1st Award - Junior Division

Behavioral and Social Sciences

Josephina Perham

The Children's School
Advisor: D. Quincannon

CSEF Nominee





1st Award - Junior Division

Behavioral and Social Sciences

Medha Ravi

The Rhoades School
Advisor: R. Hunker

CSEF Nominee





1st Award - Junior Division

Behavioral and Social Sciences

Bella Schere

The Children's School
Advisor: D. Quincannon





1st Award - Junior Division

Behavioral and Social Sciences

Olivia Go

The Rhoades School
Advisor: R. Hunker





1st Award - Junior Division

Biochemistry





1st Award - Junior Division

Biochemistry

Maya Bantval

Sage Canyon Elementary School
Advisor: K. Arthur

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Biochemistry

Yusra Qarar

Bright Horizon Academy 6-8
Advisor: N. Naserelddin

CSEF Nominee





1st Award - Junior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**





1st Award - Junior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Steven Chen

**Pacific Trails Middle School
Advisor: A. Milholland**

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Dhruv Bantval

Pacific Trails Middle School

Advisor: E. Main

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

**Adam Jaimovich
Zakari Sayed**

**The Rhoades School
Advisor: R. Hunker**

CSEF Nominee





1st Award - Junior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Omar Aly

Bright Horizon Academy 6-8

Advisor: N. Naserelddin

CSEF Nominee





1st Award - Junior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Eva Cantorna

Nazareth School

Advisor: M. Reed





1st Award - Junior Division

Chemistry





1st Award - Junior Division

Chemistry

Jake Vignevic

St. Gregory the Great Catholic School
Advisor: S. Dasgupta

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Chemistry

Ashlie Lindsey

City Tree Christian School 6-8
Advisor: M. Lee





1st Award - Junior Division

Computer Science and Systems Software





1st Award - Junior Division

Computer Science and Systems Software

Emily Diep

Connect Academy Poway Unified
Advisor: J. Teixeira

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Computer Science and Systems Software

Kayley Xu

The Bishop's School

Advisor: J. Jordan

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Earth and Environmental Sciences





1st Award - Junior Division

Earth and Environmental Sciences

Patrick Kozak

All Hallows Academy
Advisor: A. Branson

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Earth and Environmental Sciences

McKayla Matkov

The Children's School
Advisor: D. Quincannon

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Earth and Environmental Sciences

Alexander Allport

The Children's School
Advisor: D. Quincannon

CSEF Nominee





1st Award - Junior Division
Earth and Environmental Sciences

Aaron Cooper

Community Montessori Charter School Carlsbad

Advisor: I. Cooper

CSEF Nominee





1st Award - Junior Division

**Engineering: Electrical, Mechanical, and
Robotics**





1st Award - Junior Division

**Engineering: Electrical, Mechanical, and
Robotics**

Zackaria Ouchmame

Bright Horizon Academy 6-8

Advisor: N. Nasereldin

CSEF Nominee





1st Award - Junior Division

**Engineering: Electrical, Mechanical, and
Robotics**

Ryan Richardson

St. John School - Encinitas, CA

Advisor: G. Heins



A stylized graphic of an atom with a central nucleus and three elliptical orbits, each with a small blue and white sphere representing an electron. The graphic is positioned in the top-left corner of the slide.

1st Award - Junior Division

Engineering: Energy, Materials, and Transport





1st Award - Junior Division

Engineering: Energy, Materials, and Transport

Maliya Montemayor

St. John School - Encinitas, CA

Advisor: G. Heins

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Engineering: Energy, Materials, and Transport

Jack Pacente

Mt. Helix Academy

Advisor: K. MacDonald

CSEF Nominee

Thermo Fisher Scientific Junior
Innovators Challenge





1st Award - Junior Division

Engineering: Energy, Materials, and Transport

Keanu Zeller

The Rhoades School

Advisor: R. Hunker

CSEF Nominee

Thermo Fisher Scientific Junior
Innovators Challenge





1st Award - Junior Division

Engineering: Energy, Materials, and Transport

Jeyanth Narayan Parthasarathy

Pacific Trails Middle School

Advisor: A. Milholland

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Engineering: Energy, Materials, and Transport

Adam Anthony

De Portola Middle School

Advisor: M. Bridges





1st Award - Junior Division

Engineering: Energy, Materials, and Transport

Carmina Allende

Nazareth School

Advisor: M. Reed

CSEF Nominee





1st Award - Junior Division

Microbiology





1st Award - Junior Division

Microbiology

Ethan Leem

Pacific Trails Middle School

Advisor: E. Main

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Microbiology

Charlotte Capaldi

The Rhoades School
Advisor: R. Hunker

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Microbiology

Victoria Capetanakis

St. John School - Encinitas, CA
Advisor: G. Heins

CSEF Nominee





1st Award - Junior Division

Microbiology

Reagan Trinh

St. Gregory the Great Catholic School

Advisor: S. Dasgupta





1st Award - Junior Division

Microbiology

Khadija Paband

Bright Horizon Academy 6-8
Advisor: N. Nasereldin





1st Award - Junior Division

Physics and Astronomy





1st Award - Junior Division

Physics and Astronomy

Madison Hulse

Nazareth School
Advisor: M. Reed

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Physics and Astronomy

Brooklynn Owen

Classical Conversations
Advisor: K. Owen

CSEF Nominee

Thermo Fisher Scientific Junior
Innovators Challenge





1st Award - Junior Division

Physics and Astronomy

Marcello Carreon

All Hallows Academy
Advisor: A. Branson

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Physics and Astronomy

Elodie Arnaudy

City Tree Christian School 6-8

Advisor: M. Lee

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Physics and Astronomy

Zoey Chen

Carmel Valley Middle School
Advisor: T. Kim

CSEF Nominee





1st Award - Junior Division

Physics and Astronomy

Olivia Marsh

Eastlake Middle School
Advisor: A. Thacker

CSEF Nominee





1st Award - Junior Division

Physics and Astronomy

Branden Soukup

Mt. Helix Academy
Advisor: K. MacDonald





1st Award - Junior Division

Physics and Astronomy





1st Award - Junior Division

Plant Sciences





1st Award - Junior Division

Plant Sciences

Ellarose Ffrench

St. Gregory the Great Catholic School
Advisor: S. Dasgupta

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division

Plant Sciences

Samuel Sternson

The Rhoades School
Advisor: R. Hunker

CSEF Nominee

**Thermo Fisher Scientific Junior
Innovators Challenge**





1st Award - Junior Division
Plant Sciences

Reese Gramme
Clare Hooper

St. Gregory the Great Catholic School
Advisor: S. Dasgupta





1st Award - Junior Division
Plant Sciences

Yianna Capetanakis

St. John School - Encinitas, CA
Advisor: G. Heins





1st Award - Junior Division

Plant Sciences

Ihan Sung

Eastlake Middle School
Advisor: A. Thacker





1st Award - Junior Division

Plant Sciences

Charlotte Birch

City Tree Christian School 6-8

Advisor: M. Lee





1st Award - Junior Division
Plant Sciences

Emerson Villarroel

City Tree Christian School 6-8

Advisor: M. Lee





1st Award - Junior Division

Product Testing





1st Award - Junior Division

Product Testing

Maddie Zwahlen

St. Gregory the Great Catholic School
Advisor: S. Dasgupta

CSEF Nominee





1st Award - Junior Division

Product Testing

Lillianna Benjalil

Mt. Helix Academy
Advisor: K. MacDonald





1st Award - Junior Division

Product Testing

Zaid Shaikh

Bright Horizon Academy 6-8

Advisor: N. Naserelddin





1st Award - Junior Division

Product Testing

Almog Mizan

San Diego Hebrew Day School

Advisor: S. Jones





1st Award - Junior Division

Product Testing

Alexis Lau

Mt. Helix Academy

Advisor: K. MacDonald





69th Annual GSDSEF

Senior Division

First Awards







1st Award - Senior Division

Animal Sciences





1st Award - Senior Division

Animal Sciences

Tanya Mandyam

Westview High School
Advisor: M. Christopher

CSEF Nominee





1st Award - Senior Division

Behavioral and Social Sciences





1st Award - Senior Division

Behavioral and Social Sciences

Spencer Foss

San Diego Jewish Academy 9-12
Advisor: P. Hagarman

CSEF Nominee





1st Award - Senior Division

Behavioral and Social Sciences

Safwa Khan

Bright Horizon Academy 9-12
Advisor: N. Naserelddin

CSEF Nominee





1st Award - Senior Division

Biochemistry





1st Award - Senior Division

Biochemistry

Andrew Tsui

Canyon Crest Academy
Advisor: A. Siegel

CSEF Nominee





1st Award - Senior Division

Biochemistry

Jaden Martin

Central Union High School
Advisor: L. Rueda

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Anirudh Kalyanaraman

Mt. Carmel High School

Advisor: A. Klingborg

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Maya Krishnan

La Jolla Country Day School

Advisor: D. Valji

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Justin Chen

**Torrey Pines High School
Advisor: B. Belyea**

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Zinia Khattar

**Del Norte High School
Advisor: J. Cheskaty**

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Leanne Fan

**Westview High School
Advisor: S. Halander**

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Natalie Botello

Leilani Pradis

Central Union High School

Advisor: A. Ortiz

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Andrew Day

Torrey Pines High School

Advisor: B. Belyea

CSEF Nominee





1st Award - Senior Division

**Biomedical/Health Sciences, and Biomedical
Engineering**

Vibha Yadav Ganji

Del Norte High School

Advisor: N. Ganji





1st Award - Senior Division

Chemistry





1st Award - Senior Division

Chemistry

Rishika Kulkarni

Francis Parker School
Advisor: J. Pierce

CSEF Nominee





1st Award - Senior Division

Chemistry

Nathan Xiong

The Bishop's School
Advisor: P. Reynolds

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics





1st Award - Senior Division

Computational Biology and Bioinformatics

Krish Pai

Canyon Crest Academy

Advisor: E. Gerstin

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

Saanvi Dogra

Del Norte High School

Advisor: S. Dhanda

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

Maanaskumar Gantla

Canyon Crest Academy

Advisor: A. Siegel

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

Bhadra Rupesh

The Bishop's School

Advisor: L. Keller

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

**Vishnu Aravind
Alex Kumar**

**Del Norte High School
Advisor: S. Kumar**

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

Trevor Chen

Westview High School

Advisor: S. Halander

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

Nandana Madhukara

Canyon Crest Academy

Advisor: E. Gerstin

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

Arshia Nayebnazar

Canyon Crest Academy

Advisor: T. Mauro

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

**Giselle Geering
Vivian Nguyen**

**Bonita Vista High School
Advisor: M. Mardahl-Dumesnil**

CSEF Nominee





1st Award - Senior Division

Computational Biology and Bioinformatics

Vidha Yadav Ganji

Del Norte High School

Advisor: N. Ganji

CSEF Nominee





1st Award - Senior Division

Computer Science and Systems Software





1st Award - Senior Division

Computer Science and Systems Software

Melinda Chang

Canyon Crest Academy

Advisor: E. Gerstin

CSEF Nominee





1st Award - Senior Division

Computer Science and Systems Software

Shirley Xu

The Bishop's School
Advisor: M. Jaiclin

CSEF Nominee





1st Award - Senior Division

Computer Science and Systems Software

**Edward Qiao
Benjamin Fan**

**The Bishop's School
Advisor: M. Jaiclin**

CSEF Nominee





1st Award - Senior Division

Computer Science and Systems Software

Agastya Sridharan

Scripps Ranch High School

Advisor: P. Fowler

CSEF Nominee





1st Award - Senior Division

Computer Science and Systems Software

Arnav Dagar

Canyon Crest Academy

Advisor: A. Siegel

CSEF Nominee





1st Award - Senior Division

Computer Science and Systems Software

Alexander Proshkin

Canyon Crest Academy

Advisor: E. Fisher

CSEF Nominee





1st Award - Senior Division

Computer Science and Systems Software

**Tyler Xiao
Emma Shen**

**Del Norte High School
Advisor: J. Cheskaty**

CSEF Nominee





1st Award - Senior Division

Earth and Environmental Sciences





1st Award - Senior Division

Earth and Environmental Sciences

Hudson Kim

Westview High School
Advisor: W. Kim

CSEF Nominee





1st Award - Senior Division
Earth and Environmental Sciences

Srija Sengupta

Westview High School
Advisor: S. Halander

CSEF Nominee





1st Award - Senior Division
Earth and Environmental Sciences

Sanjana Kumar

Francis Parker School
Advisor: J. Pierce

CSEF Nominee





1st Award - Senior Division

Earth and Environmental Sciences

Kate Xu

Del Norte High School
Advisor: B. West

CSEF Nominee





1st Award - Senior Division

Earth and Environmental Sciences

Sarah Gao

Canyon Crest Academy
Advisor: E. Gerstin

CSEF Nominee





1st Award - Senior Division
Earth and Environmental Sciences

Kyle Tianshi

The Cambridge School High School
Advisor: M. Mayne

CSEF Nominee





1st Award - Senior Division
Earth and Environmental Sciences

David Wise

St. Augustine High School
Advisor: J. Brophy

CSEF Nominee





1st Award - Senior Division
Earth and Environmental Sciences

Tejas Ravi

Canyon Crest Academy
Advisor: K. Shakeri





1st Award - Senior Division

**Engineering: Electrical, Mechanical, and
Robotics**





1st Award - Senior Division

**Engineering: Electrical, Mechanical, and
Robotics**

Angelina Kim

**The Bishop's School
Advisor: M. Jaiclin**

CSEF Nominee





1st Award - Senior Division

**Engineering: Electrical, Mechanical, and
Robotics**

**Nicholas Usher
Logan Brown**

**High Tech High North County
Advisor: C. Sailor**

CSEF Nominee





1st Award - Senior Division

Engineering: Energy, Materials, and Transport





1st Award - Senior Division

Engineering: Energy, Materials, and Transport

Jocelyn Zhang

Del Norte High School

Advisor: F. Liao

CSEF Nominee





1st Award - Senior Division

Engineering: Energy, Materials, and Transport

Marcus Catanzaro

Cathedral Catholic High School

Advisor: M. Rafie

CSEF Nominee





1st Award - Senior Division

Mathematics





1st Award - Senior Division

Mathematics

Rohan Bosworth
Arya Bosworth

Poway High School
Advisor: K. Woldseth

CSEF Nominee





1st Award - Senior Division

Mathematics

Derek Liu

Torrey Pines High School
Advisor: B. Belyea

CSEF Nominee





1st Award - Senior Division

Microbiology





1st Award - Senior Division

Microbiology

John Wang

Canyon Crest Academy

Advisor: E. Gerstin

CSEF Nominee





1st Award - Senior Division

Microbiology

Kara Fan

Westview High School

Advisor: S. Halander

CSEF Nominee





1st Award - Senior Division

Physics and Astronomy

Vikramaditya Sidharth Chandra

San Marcos High School
Advisor: S. Bireddy

CSEF Nominee





1st Award - Senior Division

Physics and Astronomy

Ayush Nayak

Westview High School
Advisor: S. Halander

CSEF Nominee





1st Award - Senior Division

Plant Sciences





1st Award - Senior Division

Plant Sciences

Diego Nava

Bonita Vista High School
Advisor: M. Mardahl

CSEF Nominee





1st Award - Senior Division

Plant Sciences

Cherise Magtoto

Bonita Vista High School
Advisor: J. Ekstein

CSEF Nominee





Congratulations
to the
First Award Winners

