

**70th Annual
Greater San Diego Science and Engineering Fair**

2024

THIRD AWARDS

Third Award

Junior Division



Third Award - Junior Division

Animal Sciences



Third Award - Junior Division
Animal Sciences

Abdullah Mumin

Bright Horizon Academy
Advisor: N. Naserelddin

Third Award - Junior Division
Animal Sciences

Ava Hilinski

Eastlake Middle School
Advisor: A. Thacker

Third Award - Junior Division
Behavioral and Social Sciences



Third Award - Junior Division
Behavioral and Social Sciences

Meira Adatto

San Diego Hebrew Day School
Advisor: J. Rivard

Third Award - Junior Division
Behavioral and Social Sciences

Elie Eilemberg

San Diego Hebrew Day School
Advisor: J. Rivard

**Third Award - Junior Division
Behavioral and Social Sciences**

Alexandre Francy

**St. Gregory the Great Catholic School
Advisor: C. Girard**


**Third Award - Junior Division
Behavioral and Social Sciences**

Angelina Parker

**Mt. Helix Academy
Advisor: K. MacDonald**

Third Award - Junior Division

Biochemistry

The background of the slide is a dark, almost black, space filled with abstract, glowing light streaks. These streaks are primarily in shades of green and blue, radiating from the bottom and sides towards the center. Interspersed among these streaks are faint, vertical columns of binary code (0s and 1s), giving the overall appearance a digital or scientific aesthetic.

Third Award - Junior Division
Biochemistry

Omar Aly

Bright Horizon Academy
Advisor: N. Naserelddin

Third Award - Junior Division
Biochemistry

Maya Bantval

Pacific Trails Middle School
Advisor: K. Chen

Third Award - Junior Division
Biochemistry

Benjamin Dickens

Chula Vista Middle School
Advisor: T. Tom

Third Award - Junior Division
Biochemistry

Nathan Rothstein

San Diego Hebrew Day School
Advisor: J. Rivard

Third Award - Junior Division
Biochemistry

Keira Sebalj


St. Peter the Apostle Catholic School
Advisor: M. Berens

Third Award - Junior Division
Biochemistry

Maleeha Siddique

De Portola Middle School
Advisor: M. Bridges

Third Award - Junior Division
Biomedical/Health Sciences, and
Biomedical Engineering

The background of the slide is a dark, abstract composition. It features a series of bright green and blue diagonal lines that create a sense of depth and movement, resembling a digital or data-driven environment. Faint, glowing binary code (0s and 1s) is scattered throughout the lower portion of the image, adding to the technological aesthetic.

Third Award - Junior Division
Biomedical/Health Sciences, and
Biomedical Engineering

Munirah Sahardiid

Bright Horizon Academy
Advisor: N. Nasereldin

Third Award - Junior Division
Biomedical/Health Sciences, and
Biomedical Engineering

Hudson Siegel

The Children's School
Advisor: T. Brown

Third Award - Junior Division
Biomedical/Health Sciences, and
Biomedical Engineering

Brady Sipper

Nazareth School
Advisor: M. Reed

Third Award - Junior Division

Chemistry

The background of the slide is a dark, almost black, space filled with abstract, glowing light streaks. These streaks are primarily in shades of green and blue, radiating from the bottom and sides towards the center. The overall effect is reminiscent of a digital or data visualization, with some faint, vertical lines of binary code (0s and 1s) visible in the lower half of the image.

Third Award - Junior Division
Chemistry

Finley Collins

Mt. Helix Academy
Advisor: K. MacDonald

Third Award - Junior Division

Computer Science and Systems Software



Third Award - Junior Division
Computer Science and Systems Software

Samira Harbin

Chula Vista Middle School
Advisor: T. Tom

Third Award - Junior Division

Computer Science and Systems Software

Sophia Zhou

La Jolla Country Day School

Advisor: N. Parker

Third Award - Junior Division
Earth and Environmental Sciences



Third Award - Junior Division
Earth and Environmental Sciences

Kira Jones
Remy Ally

St. Michael's School - Poway
Advisor: J. Poling

Third Award - Junior Division
Earth and Environmental Sciences

Emilio Castaneda Martinez

Chula Vista Middle School
Advisor: T. Tom

Third Award - Junior Division
Earth and Environmental Sciences

Ian Martinez

Chula Vista Middle School
Advisor: T. Tom

Third Award - Junior Division
Earth and Environmental Sciences

Omar Musse

Bright Horizon Academy
Advisor: N. Nasereldin

Third Award - Junior Division

Engineering:

Electrical, Mechanical, and Robotics

Third Award - Junior Division
Engineering:
Electrical, Mechanical, and Robotics

Joseph Peralta

St. Gregory the Great Catholic School
Advisor: C. Girard

Third Award - Junior Division

Engineering:

Electrical, Mechanical, and Robotics

Dominic Anello

Alex Vanderpump

The Children's School

Advisor: T. Brown

Third Award - Junior Division
Engineering:
Electrical, Mechanical, and Robotics

Ashton Brocious

The Children's School
Advisor: T. Brown

Third Award - Junior Division
Engineering:
Electrical, Mechanical, and Robotics

Nathan Gobiecki

Nazareth School
Advisor: M. Reed

Third Award - Junior Division
Engineering:
Electrical, Mechanical, and Robotics

Elias Hernandez

De Portola Middle School
Advisor: M. Bridges

Third Award - Junior Division
Engineering:
Electrical, Mechanical, and Robotics

Nicholas Ong

La Jolla Country Day School
Advisor: N. Parker

Third Award - Junior Division

Engineering:


Electrical, Mechanical, and Robotics

Aiden Sanford

St. Gregory the Great Catholic School

Advisor: C. Girard

Third Award - Junior Division
Engineering:
Energy, Materials, and Transport

The background of the slide is a dark, abstract composition. It features numerous thin, parallel lines in shades of green and blue that radiate from the bottom center towards the top corners, creating a sense of depth and movement. Interspersed among these lines are vertical columns of small, light-colored characters, likely binary code (0s and 1s), which are slightly blurred and appear to be floating or falling from the top. The overall effect is a high-tech, digital aesthetic.

Third Award - Junior Division
Engineering:
Energy, Materials, and Transport

Samuel Day

De Portola Middle School
Advisor: M. Bridges

Third Award - Junior Division
Engineering:
Energy, Materials, and Transport

Eli Hauser

The Children's School
Advisor: T. Brown

Third Award - Junior Division
Engineering:
Energy, Materials, and Transport

Maverick Jacka

Mt. Helix Academy
Advisor: K. MacDonald

Third Award - Junior Division
Engineering:
Energy, Materials, and Transport

Jackson McGrath

The Children's School
Advisor: T. Brown

Third Award - Junior Division

Microbiology



Third Award - Junior Division
Microbiology

Tessy Adato

San Diego Hebrew Day School
Advisor: J. Rivard

Third Award - Junior Division
Microbiology

Duaa Ouznali

Bright Horizon Academy
Advisor: N. Naserelddin

Third Award - Junior Division
Microbiology

Catherine Soriaga
Mabel Strott

Stella Maris Academy
Advisor: M. Flores

Third Award - Junior Division
Microbiology

Omar Sultan

Bright Horizon Academy
Advisor: N. Nasereldin

Third Award - Junior Division

Physics and Astronomy



Third Award - Junior Division
Physics and Astronomy

Athaniel Almera

De Portola Middle School
Advisor: M. Bridges

Third Award - Junior Division
Physics and Astronomy

David Arshakian

Mt. Helix Academy
Advisor: K. MacDonald

Third Award - Junior Division
Physics and Astronomy

Blake Huppert

Nazareth School
Advisor: M. Reed

Third Award - Junior Division
Physics and Astronomy

Evan Nordstrom

St. Gregory the Great Catholic School
Advisor: C. Girard

Third Award - Junior Division

Plant Sciences



Third Award - Junior Division
Plant Sciences

Taiye Bland Aruya

Chula Vista Middle School
Advisor: T. Tom

Third Award - Junior Division
Plant Sciences

Estela Levine

The Children's School
Advisor: T. Brown

Third Award - Junior Division
Plant Sciences

Dorian Smith

St. Mary Star of the Sea School
Advisor: B. Klicsu

Third Award - Junior Division
Plant Sciences

Ayrlanna Stewart

Chula Vista Middle School
Advisor: T. Tom

Third Award - Junior Division

Product Testing




Third Award - Junior Division
Product Testing


Avianca Brady

Nazareth School
Advisor: M. Reed

Third Award
Senior Division

The background of the slide is a dark, almost black, field. It is filled with a complex, abstract pattern of wavy, undulating lines in shades of teal and light blue. These lines create a sense of depth and movement, resembling a topographical map or a digital landscape. Overlaid on these waves is a grid of small, light blue dots, which are more densely packed in some areas and more sparse in others, further enhancing the intricate texture of the background.

**Third Award - Senior Division
Behavioral and Social Sciences**

The background of the slide features a dark teal to black gradient. Overlaid on this are several wavy, undulating lines in a lighter teal color. On the right side, there is a vertical column of a grid of small, light blue dots that appears to be receding into the distance, creating a sense of depth and movement.

**Third Award - Senior Division
Behavioral and Social Sciences**

Kavya Gopinath


**Del Norte High School
Advisor: A. Callicot**

**Third Award - Senior Division
Behavioral and Social Sciences**

Esteban Munoz

**Central Union High School
Advisor: L. Rueda**

Third Award - Senior Division
Biomedical/Health Sciences, and
Biomedical Engineering

The background of the slide is a dark blue to black gradient. It features a complex, abstract pattern of small, light blue dots that form a series of overlapping, wavy lines. This pattern creates a sense of depth and movement, resembling a digital or scientific visualization. The dots are more densely packed in some areas and more sparse in others, contributing to the overall texture of the background.

**Third Award - Senior Division
Biomedical/Health Sciences, and
Biomedical Engineering**

Isabella Kalapala

**Mission Vista High School
Advisor: N. German**

**Third Award - Senior Division
Biomedical/Health Sciences, and
Biomedical Engineering**

Kian Kowsari

**Scripps Ranch High School
Advisor: P. Fowler**

**Third Award - Senior Division
Biomedical/Health Sciences, and
Biomedical Engineering**

Raymond Sheng


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

**Third Award - Senior Division
Biomedical/Health Sciences, and
Biomedical Engineering**

Ryan Wang

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

Third Award - Senior Division
Cellular and Molecular Biology

The background of the slide features a dark teal to black gradient. Overlaid on this are several wavy, undulating lines in a lighter teal color. On the right side, there is a vertical column of a grid of small, light blue dots that appears to be receding into the distance, creating a sense of depth and movement.

Third Award - Senior Division
Cellular and Molecular Biology


Medha Nandhimandalam

Westview High School
Advisor: D. Herr

Third Award - Senior Division
Cellular and Molecular Biology

Sophia Tran

Scripps Ranch High School
Advisor: J. Annese



Third Award - Senior Division
Computational Biology and
Bioinformatics

Third Award - Senior Division
Computational Biology and
Bioinformatics

Diego (Toa) Hernandez

Sweetwater High School
Advisor: M. Ranganathan

Third Award - Senior Division

Computer Science and Systems Software

Third Award - Senior Division
Computer Science and Systems Software

Nathan Dai

Canyon Crest Academy
Advisor: A. Siegel

Third Award - Senior Division
Computer Science and Systems Software

Luke DeMott

La Jolla High School
Advisor: R. DeMott

Third Award - Senior Division
Computer Science and Systems Software

Eric Feng

The Bishop's School
Advisor: M. Jaiclin

Third Award - Senior Division
Computer Science and Systems Software

Ronit Munshi


Canyon Crest Academy
Advisor: D. Celniker

Third Award - Senior Division
Computer Science and Systems Software

Gavin Perez

The Cambridge School High School
Advisor: M. Mayne

Third Award - Senior Division
Earth and Environmental Sciences

The background features a dark teal to black gradient with intricate, wavy patterns of light blue and teal dots and lines, creating a sense of depth and movement.

Third Award - Senior Division
Earth and Environmental Sciences

Joanna Amaro
Leslie Sandoval

Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division
Earth and Environmental Sciences

Sofia Sanchez
Nevaeh Elefante
Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division
Earth and Environmental Sciences

Samuel Estrada

Holtville High School
Advisor: B. Sorenson

Third Award - Senior Division
Earth and Environmental Sciences


Briana Gutierrez
Kendall Johnson

Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division
Earth and Environmental Sciences

Tanvi Movva

Del Norte High School
Advisor: J. Cheskaty



Third Award - Senior Division
Engineering:
Electrical, Mechanical, and Robotics

Third Award - Senior Division
Engineering:
Electrical, Mechanical, and Robotics

Rachit Jaiswal

Del Norte High School
Advisor: T. Roty

Third Award - Senior Division
Engineering:
Electrical, Mechanical, and Robotics


Malik Mansour

Bright Horizon Academy
Advisor: N. Nasereldin

Third Award - Senior Division
Engineering:
Electrical, Mechanical, and Robotics

Yash Patil

Sage Creek High School
Advisor: S. Patil



Third Award - Senior Division
Engineering:
Energy, Materials, and Transport

Third Award - Senior Division
Engineering:
Energy, Materials, and Transport

Hector Coronel-Villarreal

Central Union High School
Advisor: L. Rueda

Third Award - Senior Division
Engineering:
Energy, Materials, and Transport

Krishna Kuruvadi
Aryahi Gupta

Francis Parker School / Canyon Crest Academy

Advisors: J. Pierce / T. Mauro

Third Award - Senior Division
Engineering:
Energy, Materials, and Transport

Vivian Pruitt

Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division


Physics and Astronomy

Third Award - Senior Division
Physics and Astronomy

Rachel Susan

Mission Vista High School
Advisor: N. German

Third Award - Senior Division
Plant Sciences

The background of the slide features a dark teal to black gradient. Overlaid on this are several wavy, undulating lines in a lighter teal color. On the right side, there is a vertical column of a grid of small, light blue dots that appears to be receding into the distance, creating a sense of depth and movement.

Third Award - Senior Division
Plant Sciences

Trevor Manaligod
Ariel Broudy

Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division
Plant Sciences

Diego Contreras
Jerry Gonzalez

Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division
Plant Sciences

Jackson Ewert

Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division
Plant Sciences

Sebastian Higuera Rodelo

Bonita Vista High School
Advisor: J. Ekstein

Third Award - Senior Division
Plant Sciences

Hannah Ilko

Bonita Vista High School
Advisor: J. Ekstein

**Congratulations
to the
Third Award Winners**