

2023 Fort Worth Regional Science and Engineering Fair

Animal Sciences Junior Division

1st Place: LED butterfly

Project ID: 192287

School: Liberty Christian School MS

Students: Ella Holmes

2nd Place: The Kitty CATch in Visual Impairment

Project ID: 183867

School: Jerry Knight Stem Academy

Students: Campbell Speakes, Laila Hamdan

2nd Place: Can People Trace and Translate 100 Strings of Genetic Codes in 30 Minutes or Less?

Project ID: 208839

School: Jerry Knight Stem Academy

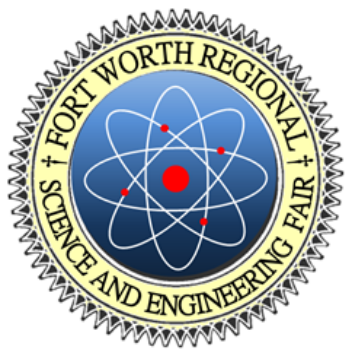
Students: Sophia Robinson

3rd Place: How chicken food effects egg quality

Project ID: 182454

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Mary Short



2023 Fort Worth Regional Science and Engineering Fair

Behavioral & Social Sciences Junior Division

1st Place: How Sounds affect Memory Retention

Project ID: 190194

School: Harmony Academy - Euless Middle School

Students: Shoayb Jilani

2nd Place: Pattern Memorization

Project ID: 208469

School: Harmony School Of Innovation Middle School (Fort Worth)

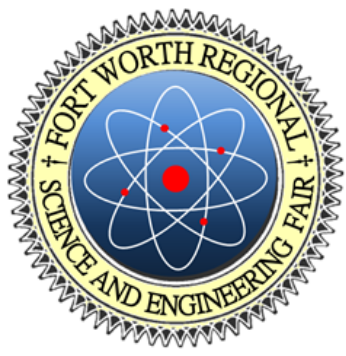
Students: Kaitlynn Nguyen, Giulliana Cacho

3rd Place: The Powerful Magic of Advertising

Project ID: 208844

School: Harmony School Of Innovation Middle School (Fort Worth)

Students: Abigail Diez De Marina Galdamez



2023 Fort Worth Regional Science and Engineering Fair

Biochemistry, Cellular, & Molecular Biology

Junior Division

1st Place: Mercury In Cat Food

Project ID: 208607

School: Young Women's Leadership Academy

Students: Lily Chumchal

2nd Place: Dopamine Makes You a Scholastic Machine

Project ID: 208339

School: Harmony School Of Innovation Middle School (Fort Worth)

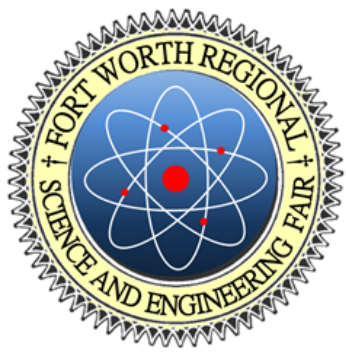
Students: Bisaksha Kc, Iklas Rufai

3rd Place: Shoe Material and Bacteria

Project ID: 209110

School: Harmony School Of Innovation Middle School (Fort Worth)

Students: Cameron Morgan



2023 Fort Worth Regional Science and Engineering Fair

Chemistry Junior Division

1st Place: Which orange juice has the most vitamin C?

Project ID: 197920

School: Harmony Academy - Euless Middle School

Students: Nailah Zubair

1st Place: Avoco-Do's & Donts

Project ID: 208446

School: Young Women's Leadership Academy

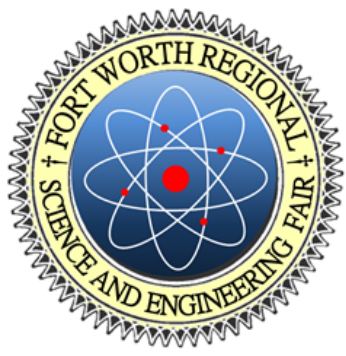
Students: Molly Stuhmer

2nd Place: How much do magnets affect Chemical Reactions?

Project ID: 190325

School: Harmony Academy - Euless Middle School

Students: Obaid Mohammed



2023 Fort Worth Regional Science and Engineering Fair

Computer Science Junior Division

1st Place: The Applications of Autonomous Vehicles

Project ID: 199939

School: Jerry Knight Stem Academy

Students: Geoffrey Ogbogu

2nd Place: Identification by Text Analysis

Project ID: 204481

School: Harmony Science Academy Carrollton - Middle School

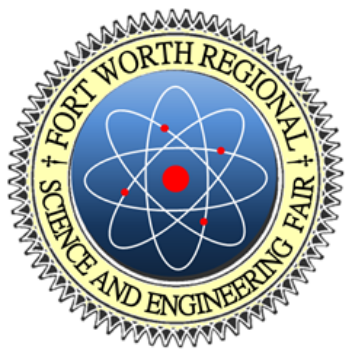
Students: David Anand, Hans-Arno Ladd

3rd Place: How strong does a password need to be to prevent hacking?

Project ID: 185927

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Audrey Oberle, Tadiwa Mutizwa



2023 Fort Worth Regional Science and Engineering Fair

Earth & Planetary Sciences Junior Division

1st Place: What Food Group has the Most Microplastics?

Project ID: 190936

School: Harmony Academy - Euless Middle School

Students: Sahar Chowdhury

2nd Place: Microbial Diversity & pH Levels

Project ID: 206994

School: Harmony School Of Innovation Middle School (Fort Worth)

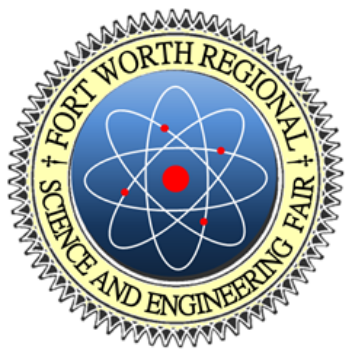
Students: Keren Hernandez, Jenifer Bastola

3rd Place: Levels of Arsenic and Lead in Soil

Project ID: 204620

School: Harmony Science Academy Carrollton - Middle School

Students: Debosree Das, Hanna Phan



2023 Fort Worth Regional Science and Engineering Fair

Energy & Transportation Junior Division

1st Place: Thermal Effects on Voltaic Output in Galvanic Cells

Project ID: 207953

School: Harmony School Of Innovation Middle School (Fort Worth)

Students: Jordan Thomas

2nd Place: Wind Turbine Efficiency Project

Project ID: 186149

School: St. Elizabeth Ann Seton Catholic Middle School

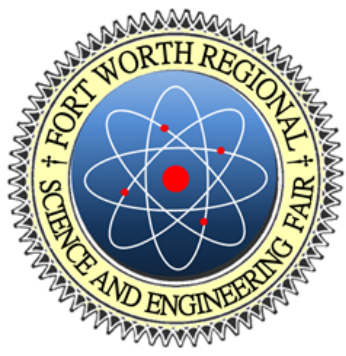
Students: Julianna Swigart

3rd Place: Spin rate of a Baseball

Project ID: 185182

School: Liberty Christian School MS

Students: Owen Kempf



2023 Fort Worth Regional Science and Engineering Fair

Engineering: Electrical & Mechanical Junior Division

1st Place: Different Wing Design, More or Less Distance?

Project ID: 209210

School: Young Women's Leadership Academy

Students: Ximena Martinez

2nd Place: The Power Of Pulleys

Project ID: 208728

School: Bowie Junior High School

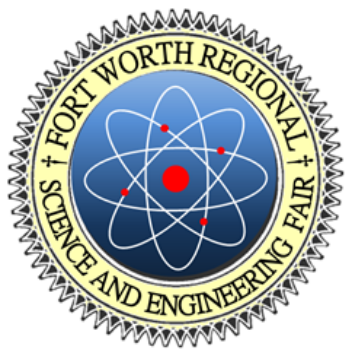
Students: Xander Jones

3rd Place: Battery voltage

Project ID: 205159

School: Bowie Junior High School

Students: James Clark



2023 Fort Worth Regional Science and Engineering Fair

Engineering: Materials & Bioengineering Junior Division

1st Place: Can an electromagnet be used to soften the fall of an elevator?

Project ID: 188145

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Sammi Koelling

1st Place: How to Catch a Criminal

Project ID: 205279

School: St. John Apostle Catholic Middle School

Students: Zoe Dzivak

2nd Place: A value comparison: Does cost impact the strength and absorbency of toilet paper?

Project ID: 184756

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Justin LeCompte

2nd Place: I Can't Sleep

Project ID: 208654

School: Young Women's Leadership Academy

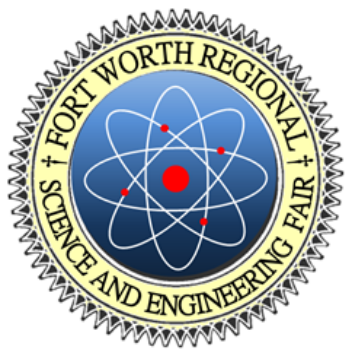
Students: Marlee Allen

3rd Place: Grippy Science

Project ID: 207770

School: Jerry Knight Stem Academy

Students: Dylan Moore



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Environmental Management & Sciences Junior Division

1st Place: Is drip irrigation actually good for plants?

Project ID: 208653

School: Young Women's Leadership Academy

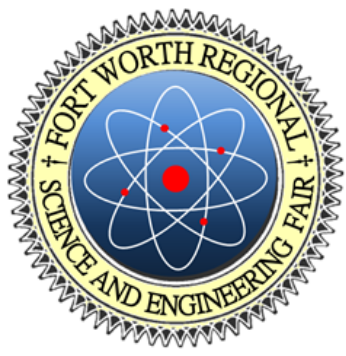
Students: Teagan Autry

2nd Place: Detecting Micro-plastics In Two Different Brands of Tuna

Project ID: 209348

School: Young Women's Leadership Academy

Students: Juliet Salgado



2023 Fort Worth Regional Science and Engineering Fair

Mathematical Sciences Junior Division

1st Place: THE AREA ESTIMATION

Project ID: 207250

School: Harmony School Of Innovation Middle School (Fort Worth)

Students: Melek Ozturk

2nd Place: Will the probability of winning rock, paper, scissors increase with a strategy?

Project ID: 183551

School: St. Elizabeth Ann Seton Catholic Middle School

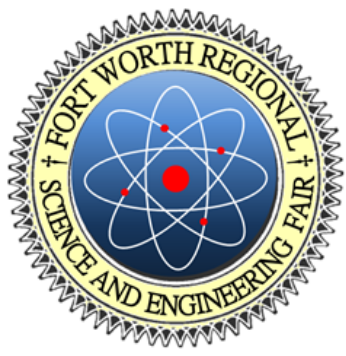
Students: Annalise Bell

3rd Place: Renewable vs. Non-renewable power plants

Project ID: 183339

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Alex Van Zanten, Kevin Van Horne



2023 Fort Worth Regional Science and Engineering Fair

Medicine & Health Sciences Junior Division

1st Place: The Great Eczemadition

Project ID: 184125

School: St. Elizabeth Ann Seton Catholic Middle School

Students: AnnaSophia Heyne

1st Place: Horrible Headaches

Project ID: 207350

School: Harmony School Of Innovation Middle School (Fort Worth)

Students: Jenna Mariano

2nd Place: Heart Lock

Project ID: 207769

School: Jerry Knight Stem Academy

Students: Alyssa Le

2nd Place: Outcomes of patients with Acute Promyelocytic Leukemia treated at John Peter Smith hospital

Project ID: 208359

School: Carroll Middle School

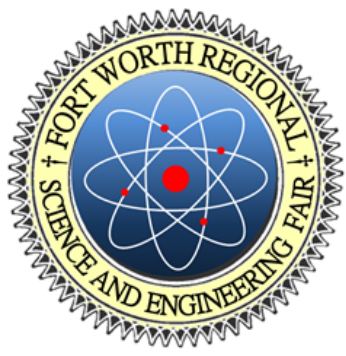
Students: Kavya Athipatla

3rd Place: Medical Mission: The Ability of Elderly People to Open Medicine Containers

Project ID: 183509

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Jillian Lim



2023 Fort Worth Regional Science and Engineering Fair

Physics & Astronomy Junior Division

1st Place: How Does Color Affect Heat by Absorption of Light?

Project ID: 182906

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Aleena Quach

2nd Place: Does magnet strength change depending on temperature?

Project ID: 183536

School: St. Elizabeth Ann Seton Catholic Middle School

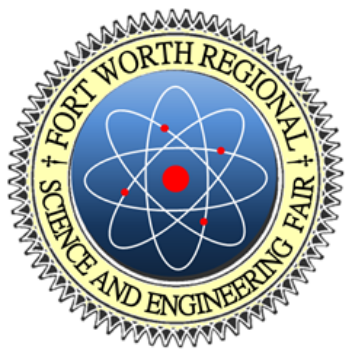
Students: Vi Dong

3rd Place: Loft of a Golf club

Project ID: 187605

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Lucas Bollon



2023 Fort Worth Regional Science and Engineering Fair

Plant Sciences

Junior Division

1st Place: Soil Quality and Its Effects On Plant Growth

Project ID: 186225

School: St. Elizabeth Ann Seton Catholic Middle School

Students: Joaquin Lopez

2nd Place: Which Plant Will Have More Phototropism?

Project ID: 209065

School: Young Women's Leadership Academy

Students: Deisy Lopez

3rd Place: Ryley's Radish plants

Project ID: 209173

School: Bowie Junior High School

Students: Ryley Baker