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

2023 Fort Worth Regional Science and Engineering Fair

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