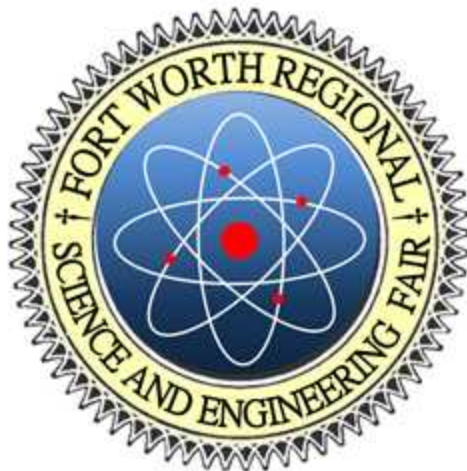
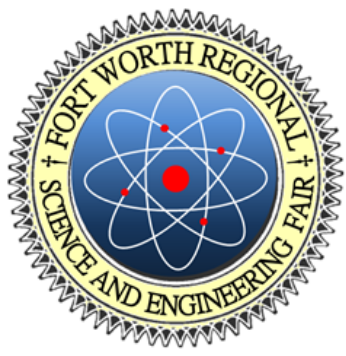




# 2022 Fort Worth Regional Science and Engineering Fair

## Category Awards Junior Division





# 2022 Fort Worth Regional Science and Engineering Fair

## Animal Sciences

### Junior Division

---

**1st Place:** The Effect of blue light emitted by LED screens on the Activity Patterns of Acheta domesticus.

**Project ID:** 181002

**School:** Acton Middle School

**Students:** Amariz Lumbreras

**2nd Place:** Best Birdseed

**Project ID:** 156732

**School:** Liberty Christian School MS

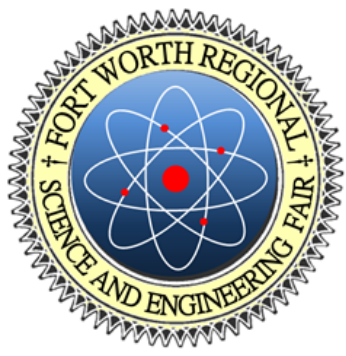
**Students:** Johnathan Aldape

**3rd Place:** Which bird food attracts the most birds?

**Project ID:** 178370

**School:** Harmony Science Academy - Carrollton Middle School

**Students:** Kais Shahwan



# 2022 Fort Worth Regional Science and Engineering Fair

## Behavioral & Social Sciences Junior Division

---

**1st Place:** Does listening to music affect math skills?

**Project ID:** 157037

**School:** St. Elizabeth Ann Seton Catholic Middle School

**Students:** Nate Fabriga

**2nd Place:** How Environments Affect Memory Recall

**Project ID:** 180793

**School:** Harmony Academy - Euless Middle School

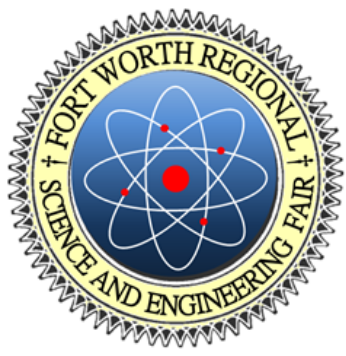
**Students:** Shoayb Jilani

**3rd Place:** Does Color Affect Perception of Taste?

**Project ID:** 159083

**School:** St. Elizabeth Ann Seton Catholic Middle School

**Students:** Madeline Leonard



# 2022 Fort Worth Regional Science and Engineering Fair

## Biochemistry, Cellular, & Molecular Biology

### Junior Division

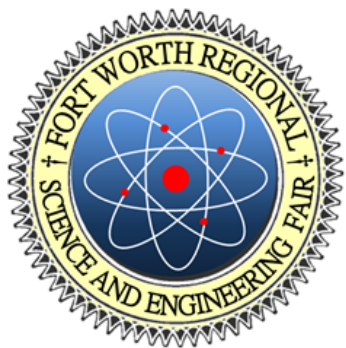
---

**3rd Place:** Removing arsenic from rice

**Project ID:** 179701

**School:** Harmony Science Academy - Carrollton Middle School

**Students:** Debosree Das, Hanna Phan



# 2022 Fort Worth Regional Science and Engineering Fair

## Chemistry Junior Division

---

**1st Place:** What type of sugary drink affects the enamel the most?

**Project ID:** 180734

**School:** Harmony Science Academy - Carrollton Middle School

**Students:** Aamna Rehan

**2nd Place:** The Blue Light Of Luminol

**Project ID:** 155664

**School:** Liberty Christian School MS

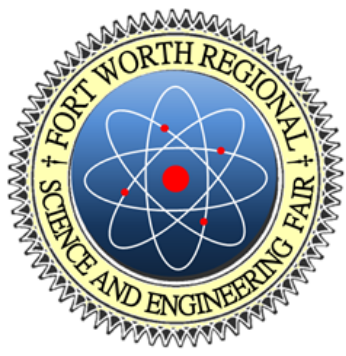
**Students:** Madison Wheelwright

**3rd Place:** What fruit juice makes milk curdle the fastest?

**Project ID:** 171072

**School:** Graham Junior High School

**Students:** Alejandra Castillo



# 2022 Fort Worth Regional Science and Engineering Fair

## Computer Science Junior Division

---

**1st Place:** Copper tape layers and Their Effect on the Motion Sensitivity of a Home Made Sensor

**Project ID:** 181004

**School:** Acton Middle School

**Students:** Santiago Lumbreras

**2nd Place:** Spifflechair

**Project ID:** 173694

**School:** Jerry Knight Stem Academy

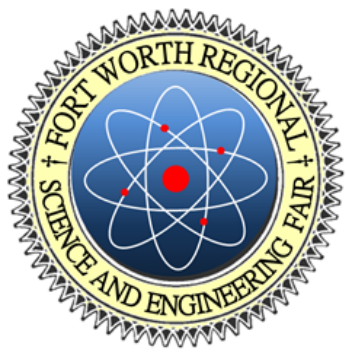
**Students:** Liberty LaCour, Erik Cramer

**3rd Place:** Using AI and Robotics to Save the Earth

**Project ID:** 180323

**School:** Harmony Science Academy - Carrollton Middle School

**Students:** Harishankar Anoop



# 2022 Fort Worth Regional Science and Engineering Fair

## Earth & Planetary Sciences Junior Division

---

**1st Place:** AC Condensate Line Open

**Project ID:** 165180

**School:** Colleyville Middle School

**Students:** Daniel Thomas

**1st Place:** Mystery Meat

**Project ID:** 180073

**School:** Young Women's Leadership Academy

**Students:** Fiona McDonald

**2nd Place:** Can Coca-Cola go through the evaporation and condensation process?

**Project ID:** 155814

**School:** St. Elizabeth Ann Seton Catholic Middle School

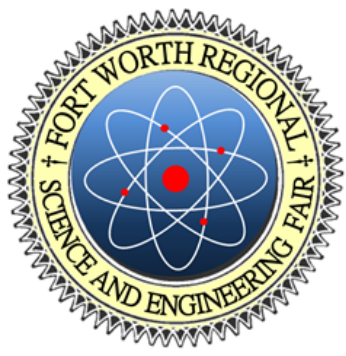
**Students:** Justin LeCompte

**3rd Place:** Drip, Drip, Drip

**Project ID:** 179441

**School:** Young Women's Leadership Academy

**Students:** Ehder Wee



# 2022 Fort Worth Regional Science and Engineering Fair

## Energy & Transportation Junior Division

---

**1st Place:** Homemade Battery

**Project ID:** 177104

**School:** Trivium Academy

**Students:** Tyler Clark

**2nd Place:** Ice Ice baby

**Project ID:** 161164

**School:** Liberty Christian School MS

**Students:** Bonnie Coleman

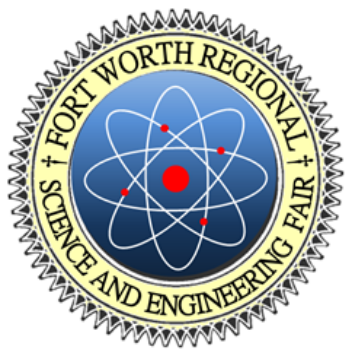
**3rd Place:** Bounce High

**Project ID:** 179966

**School:** Harmony School Of Innovation Middle School

**Students:** Leona Ghimire, Prakriti Phuyel





# 2022 Fort Worth Regional Science and Engineering Fair

## Engineering: Electrical & Mechanical Junior Division

---

**1st Place:** A Floatable House

**Project ID:** 170038

**School:** Graham Junior High School

**Students:** Jack Page

**2nd Place:** Laundry Helper

**Project ID:** 171082

**School:** Graham Junior High School

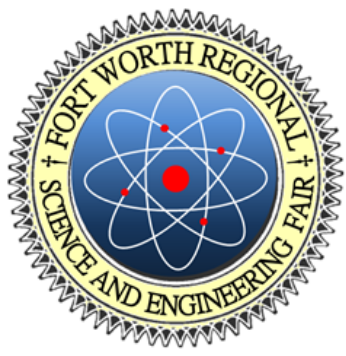
**Students:** Sarah Kunkel

**3rd Place:** Wind Power

**Project ID:** 158010

**School:** Liberty Christian School MS

**Students:** Grayson Graham



# 2022 Fort Worth Regional Science and Engineering Fair

## Engineering: Materials & Bioengineering Junior Division

---

**1st Place:** Don't Get Burned: Refining The Research

**Project ID:** 168524

**School:** Jerry Knight Stem Academy

**Students:** Kyle Alferink

**2nd Place:** Correlation Relating Morphology and Optoelectronic Properties of Microscale Zinc Oxide for Use in Antibacterial Assays

**Project ID:** 178381

**School:** Harmony School Of Innovation Middle School

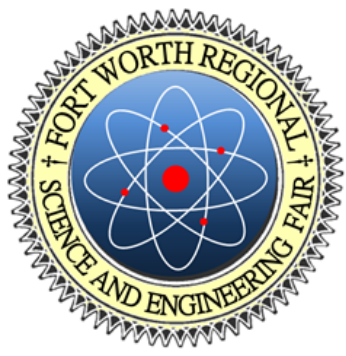
**Students:** Pavan Ahluwalia

**3rd Place:** Block or Burn

**Project ID:** 156433

**School:** Liberty Christian School MS

**Students:** Addison Henson



# 2022 Fort Worth Regional Science and Engineering Fair

## Environmental Management & Sciences Junior Division

---

**1st Place:** Which Filtration Material Leads to the Best Drinking Water?

**Project ID:** 180769

**School:** Harmony Academy - Euless Middle School

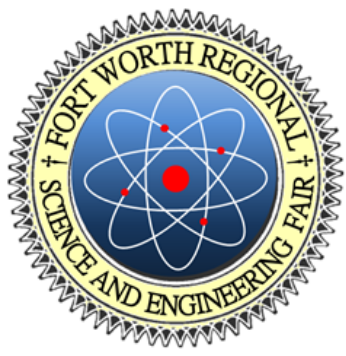
**Students:** Fatima Sowe

**2nd Place:** Water filtration with rocks and minerals

**Project ID:** 180905

**School:** Harmony Academy - Euless Middle School

**Students:** Uzair Nawaz



# 2022 Fort Worth Regional Science and Engineering Fair

## Mathematical Sciences Junior Division

---

**1st Place:** How do baseball stadium dimensions effect batting statistics

**Project ID:** 158649

**School:** St. Elizabeth Ann Seton Catholic Middle School

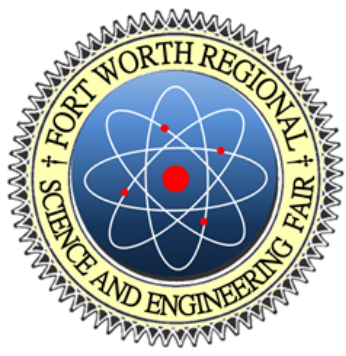
**Students:** Teddy Van Horne

**2nd Place:** Eureka!

**Project ID:** 180250

**School:** Young Women's Leadership Academy

**Students:** Ellie Diamantopoulos



# 2022 Fort Worth Regional Science and Engineering Fair

## Medicine & Health Sciences Junior Division

---

**1st Place:** Shake Stopper

**Project ID:** 170630

**School:** Graham Junior High School

**Students:** Cy Sweedler

**2nd Place:** Effect of multivitamins on blood glucose level (Glycemic Index)

**Project ID:** 178676

**School:** Harmony Science Academy - Carrollton Middle School

**Students:** Numan Beig

**3rd Place:** Lungs On The Run

**Project ID:** 155499

**School:** Liberty Christian School MS

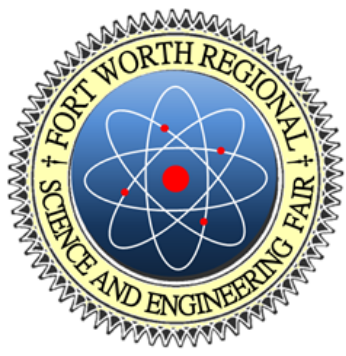
**Students:** Jesse Tuls

**3rd Place:** Keep'n it fresh

**Project ID:** 161204

**School:** Liberty Christian School MS

**Students:** Capri Cornish



# 2022 Fort Worth Regional Science and Engineering Fair

## Microbiology

### Junior Division

---

**1st Place:** The Strawberry DNA Race

**Project ID:** 180877

**School:** Harmony Academy - Euless Middle School

**Students:** Vandita Kalia

**2nd Place:** Moist v/s Dry, which food will pick-up more bacteria if dropped on the surface?

**Project ID:** 180770

**School:** Harmony Academy - Euless Middle School

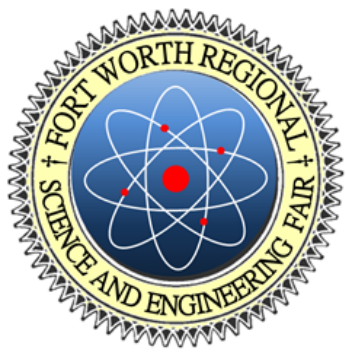
**Students:** Saanvi Sarda

**3rd Place:** BioWarfare: Viruses that kill Bacteria

**Project ID:** 178368

**School:** Harmony Academy - Euless Middle School

**Students:** Nora Naveen



# 2022 Fort Worth Regional Science and Engineering Fair

## Physics & Astronomy Junior Division

---

**1st Place:** How does Color Affect Heating by Absorption of Light?

**Project ID:** 180918

**School:** Harmony Academy - Euless Middle School

**Students:** Sahar Chowdhury

**2nd Place:** What surface provides the most bounce for a basketball?

**Project ID:** 157239

**School:** St. Elizabeth Ann Seton Catholic Middle School

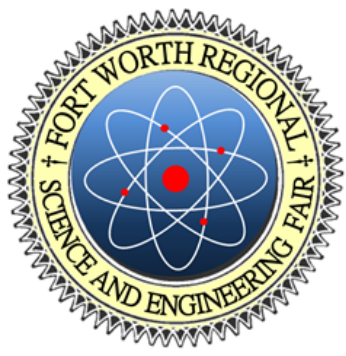
**Students:** Daniel Johnson, William Black

**3rd Place:** Air Ball

**Project ID:** 157004

**School:** Liberty Christian School MS

**Students:** Cooper Witten



# 2022 Fort Worth Regional Science and Engineering Fair

## Plant Sciences

### Junior Division

---

**1st Place:** Effects of Different Soil and Compost Combinations on Plant Growth

**Project ID:** 159881

**School:** St. Elizabeth Ann Seton Catholic Middle School

**Students:** Joaquin Lopez

**2nd Place:** War of the Roses

**Project ID:** 157058

**School:** Liberty Christian School MS

**Students:** Georgia Rollins

**3rd Place:** Perc Up, Pansy!

**Project ID:** 165317

**School:** Liberty Christian School MS

**Students:** Chloe Armstrong