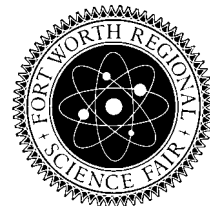


Fort Worth Regional Science Fair

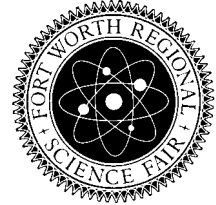
Winners Directory



Award: **American Chemical Society**

First Place: Ruhani Ahluwalia	Division: S&	Category: ALL CATEGORIES	11615
Project: Trojan Horse Carries Magic Bullets to Kill Cancer Cells			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Johnny Ha	

Fort Worth Regional Science Fair Winners Directory

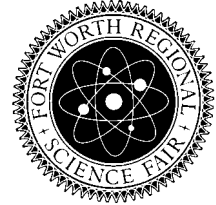


Award: **American Industrial Hygiene Assn.**

First Place: Isabella Solis	Division: S	Category: ALL CATEGORIES	11838
Project: Indoor Pollution, Outdoor Solution			
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Omer Dogan	

Fort Worth Regional Science Fair

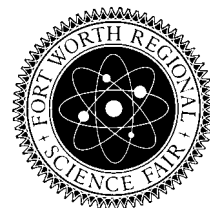
Winners Directory



Award: **American Industrial Hygiene Association North Texas Section**

First Place: Hannah Keck	Division: J	Category: ALL CATEGORIES	12891
Project: Buyer Beware: A Chemical Analysis For C15H16O2			
School: North Texas Academy of Higher Learning		Advisor: Linda Chisholm	

Fort Worth Regional Science Fair Winners Directory



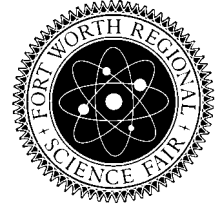
Award: **American Meteorological Society & National Weather Association**

Second Place: Ethan Moore	Division: J	Category: ALL CATEGORIES	12716
Project: Are All Sunscreens Created Equal Or Does Price Matter?			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Norma Ponce	

First Place: Kate Morton	Division: J	Category: ALL CATEGORIES	12522
Project: Trinity Turbidity			
School: HOLY FAMILY CATHOLIC MIDDLE SCHOOL		Advisor: Scott Thrower	

Fort Worth Regional Science Fair

Winners Directory



Award: **American Meteorological Society - ISEF**

First Place: Diana Dyer

Division: **S&** Category: **ALL CATEGORIES**

09994

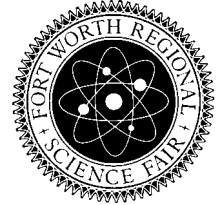
Project: **Reduce Evaporation, Save Water**

School: **NORTHSTAR HIGH SCHOOL**

Advisor: **Stacy Vasquez**

Fort Worth Regional Science Fair

Winners Directory

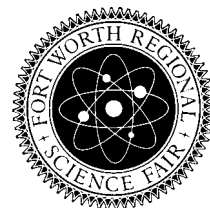


Award: American Meteorological Society & National Weather Association

Second Place: Ashley Howard	Division: S	Category: ALL CATEGORIES	07150
Project: Is Seeing Believing?			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
Second Place: Morgan Monschke	Division: S	Category: ALL CATEGORIES	07150
Project: Is Seeing Believing?			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
Second Place: Kelsey Nordlund	Division: S	Category: ALL CATEGORIES	07150
Project: Is Seeing Believing?			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
First Place: Spencer Wendell	Division: S	Category: ALL CATEGORIES	08536
Project: Landfill Runoff Water Concern			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	
First Place: Nathan Ulshafer	Division: S	Category: ALL CATEGORIES	08536
Project: Landfill Runoff Water Concern			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	
First Place: Trevor Cameron	Division: S	Category: ALL CATEGORIES	08536
Project: Landfill Runoff Water Concern			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	

Fort Worth Regional Science Fair

Winners Directory



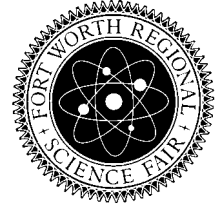
Award: **American Meteorological Society & NWS - N Texas Chapter**

First Place: Kate Morton	Division: J	Category: ALL CATEGORIES	12522
Project: Trinity Turbidity			
School: HOLY FAMILY CATHOLIC MIDDLE SCHOOL		Advisor: Scott Thrower	

Honorable Mention: Ethan Moore	Division: J	Category: ALL CATEGORIES	12716
Project: Are All Sunscreens Created Equal Or Does Price Matter?			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Norma Ponce	

Fort Worth Regional Science Fair

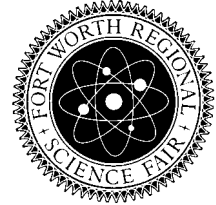
Winners Directory



Award: American Meteorological Society & NWS - N Texas Chapter

First Place: Trevor Cameron	Division: S	Category: ALL CATEGORIES	08536
Project: Landfill Runoff Water Concern			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	
First Place: Nathan Ulshafer	Division: S	Category: ALL CATEGORIES	08536
Project: Landfill Runoff Water Concern			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	
First Place: Spencer Wendell	Division: S	Category: ALL CATEGORIES	08536
Project: Landfill Runoff Water Concern			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	
Honorable Mention: Morgan Monschke	Division: S	Category: ALL CATEGORIES	07150
Project: Is Seeing Believing?			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
Honorable Mention: Kelsey Nordlund	Division: S	Category: ALL CATEGORIES	07150
Project: Is Seeing Believing?			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
Honorable Mention: Ashley Howard	Division: S	Category: ALL CATEGORIES	07150
Project: Is Seeing Believing?			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	

Fort Worth Regional Science Fair Winners Directory



Award: **American Psychological Association**

First Place: Ainsley McDonald-Boyer

Division: **S&** Category: **ALL CATEGORIES**

08531

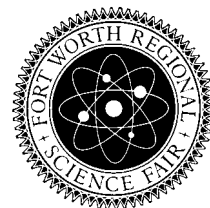
Project: **Diagnostic Test for Dyslexia**

School: **AZLE HIGH SCHOOL**

Advisor: **Monica Amyett**

Fort Worth Regional Science Fair

Winners Directory



Award: **American Society for Quality, Greater Ft. Worth Section**

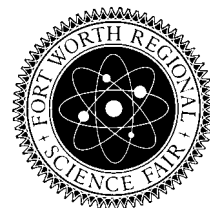
Third Place: Connor Menckhoff	Division: J	Category: ALL CATEGORIES	02148
Project: Mr. Magnet, Are You More Attractive Because You're Hot?			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Aaron Mouser	

Second Place: Riley Turner	Division: J	Category: ALL CATEGORIES	08842
Project: Meditation Sensation			
School: E.A. YOUNG ACADEMY MS		Advisor: Carol Raymond	

First Place: Blaine McCoy	Division: J	Category: ALL CATEGORIES	13038
Project: Which Is More Effective on the Germination of Cilantro Seeds; Miracle Grow Potting Soil with Tap Water or Miracle Grow Potting Soil with Epsom Salt Solution?			
School: CHRISTIAN COTTAGE PREP MIDDLE SCHOO		Advisor: Teri Willis	

Fort Worth Regional Science Fair

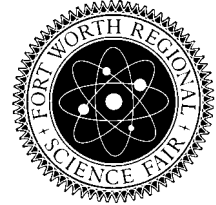
Winners Directory



Award: **American Society for Quality, Greater Ft. Worth Section 1416**

Third Place: Liesl Krone	Division: S	Category: ALL CATEGORIES	09682
Project: Digging Deeper into a Gut Focused Nutraceutical - Is it Just Hot Air?			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	
Second Place: Afeefah Khazi-Syed	Division: S	Category: ALL CATEGORIES	11369
Project: Nano is Novel: Improving Antibiotic Efficacy for S. epidermidis with Structurally Modified Silver Nanoparticles			
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Bilal Yildirim	
First Place: Joshua Yue	Division: S	Category: ALL CATEGORIES	06788
Project: Molecular Dynamics Simulations of the NF-kB Inducing Kinase in Disease Prevention			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

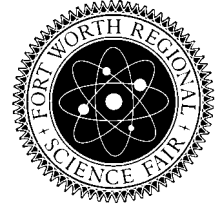
Fort Worth Regional Science Fair Winners Directory



Award: **ASM International Materials Education Foundation**

First Place: Brandon Liew	Division: S& Category: ALL CATEGORIES	07245
Project: Electrochemical and Mechanical Characterization of FCC High Entropy Alloys		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	

Fort Worth Regional Science Fair Winners Directory

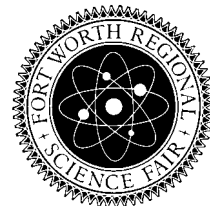


Award: **Association for Women Geoscientist - ISEF**

First Place: Celeste Munoz	Division: S& Category: ALL CATEGORIES	12624
Project: Gas Fracking		
School: EVERMAN HIGH SCHOOL	Advisor: Larry Ritchie	

Fort Worth Regional Science Fair

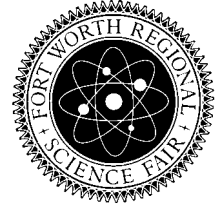
Winners Directory



Award: ASU Walton Sustainability Solutions Initiatives

First Place: Bihan Jiang	Division: S& Category: ALL CATEGORIES	06527
Project: Development of a Fragment Method for Estimating Solubilities in Environmentally Friendly Ionic Liquid Solvents		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	
First Place: Sarah Cheeran	Division: S& Category: ALL CATEGORIES	06527
Project: Development of a Fragment Method for Estimating Solubilities in Environmentally Friendly Ionic Liquid Solvents		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	
First Place: Amber Lu	Division: S& Category: ALL CATEGORIES	06527
Project: Development of a Fragment Method for Estimating Solubilities in Environmentally Friendly Ionic Liquid Solvents		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	
First Place: Jose Alcala	Division: S& Category: ALL CATEGORIES	04966
Project: Creating A Facilitating System To Increase Energy Output		
School: SUMMIT INTERNATIONAL HIGH SCHOOL	Advisor: Kiara Hervey	

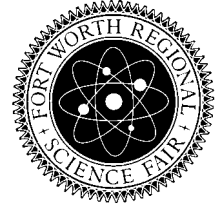
Fort Worth Regional Science Fair Winners Directory



Award: **Charlie Mary Noble Award in Astronomy**

First Place: Shinyoung Kang	Division: S&	Category: PHYSICS & ASTRONOMY	06474
Project: Asteroid's Ring Formation Mechanism Simulation			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair Winners Directory

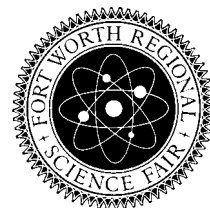


Award: **Delbert E. Lawry Award**

First Place: Rebecca Fripp	Division: J	Category: ALL CATEGORIES	12137
Project: Separating Oil and Water with a Spoon			
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Rajkumar Tiwari	

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Winners Directory

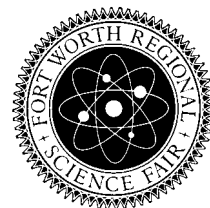


Award: **Delbert E. Lawry Award**

First Place: Colin Monaco	Division: S	Category: ALL CATEGORIES	06998
Project: Power Up			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
First Place: David Alvarez	Division: S	Category: ALL CATEGORIES	06998
Project: Power Up			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
First Place: Cameron Baller	Division: S	Category: ALL CATEGORIES	06998
Project: Power Up			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	

Fort Worth Regional Science Fair

Winners Directory

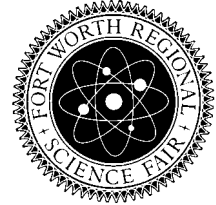


Award: **Fort Worth Area Psychological Association**

Second Place: Raquel Garcia	Division: S	Category: ALL CATEGORIES	08511
Project: Methods of Loci			
School: E.A. YOUNG ACADEMY HS		Advisor: Jeremy Edins	

First Place: Liam Ferreira	Division: S	Category: ALL CATEGORIES	06773
Project: Differences In Brain Activity In The Decision-Making Process Under Different Emotional Responses			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair Winners Directory



Award: **Fort Worth Audubon Society Conservation Award**

First Place: Kate Morton

Division: **J** Category: **ALL CATEGORIES**

12522

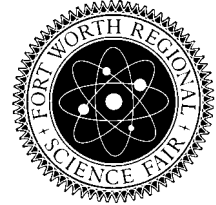
Project: **Trinity Turbidity**

School: **HOLY FAMILY CATHOLIC MIDDLE SCHOOL**

Advisor: **Scott Thrower**

Fort Worth Regional Science Fair

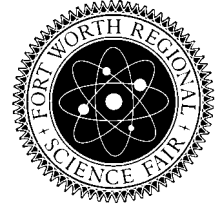
Winners Directory



Award: **Fort Worth Audubon Society Conservation Award**

First Place: Rayni Skaggs	Division: S	Category: ALL CATEGORIES	07272
Project: Consequence of Nonpoint Source Pollution on Freshwater Mussels			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	

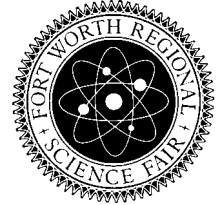
Fort Worth Regional Science Fair Winners Directory



Award: **HACEMOS**

First Place: Margaret Green-Gerard	Division: J	Category: ALL CATEGORIES	13899
Project: Do Plants Grow Faster in Artificial Light or Sunlight?			
School: Saint Maria Goretti Catholic School		Advisor: Gary Spaulding	

Fort Worth Regional Science Fair Winners Directory

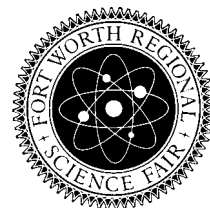


Award: **HACEMOS**

First Place: Raquel Garcia	Division: S	Category: ALL CATEGORIES	08511
Project: Methods of Loci			
School: E.A. YOUNG ACADEMY HS		Advisor: Jeremy Edins	

Fort Worth Regional Science Fair

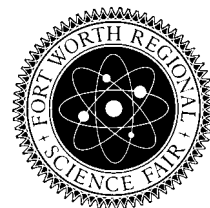
Winners Directory



Award: **Institute of Electrical and Electronics Engineers, Fort Worth Sec**

Second Place: Quan Le	Division: J	Category: ALL CATEGORIES	12002
Project: Finding the Optimal Solar Cell			
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Rajkumar Tiwari	

First Place: Nikhil Thomas	Division: J	Category: ALL CATEGORIES	11181
Project: Remote Weather Monitoring Station - An Internet of Things (IoT) project using Raspberry Pi			
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Sukran Cakiroglu	



Fort Worth Regional Science Fair

Winners Directory

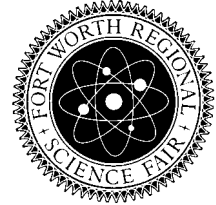
Award: **Institute of Electrical and Electronics Engineers, Fort Worth Sec**

Second Place: Jose Alcala	Division: S	Category: ALL CATEGORIES	04966
Project: Creating A Facilitating System To Increase Energy Output			
School: SUMMIT INTERNATIONAL HIGH SCHOOL		Advisor: Kiara Hervey	

First Place: Kinsey Brawner	Division: S	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	
First Place: Kaylee Brawner	Division: S	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	

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Winners Directory

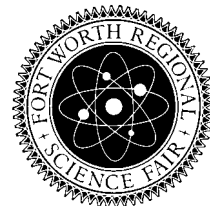


Award: **Intel Excellence in Computer Science**

First Place: David Yuan	Division: S	Category: ALL CATEGORIES	06396
Project: Network Security Through Random Path Algorithm			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory



Award: **Lockheed Martin Aeronautics Company**

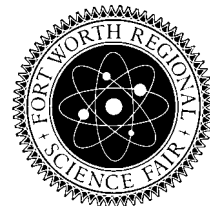
Third Place: Hannah Keck	Division: J	Category: ALL CATEGORIES	12891
Project: Buyer Beware: A Chemical Analysis For C15H16O2			
School: North Texas Academy of Higher Learning		Advisor: Linda Chisholm	

Second Place: Lindy Lyda	Division: J	Category: ALL CATEGORIES	08969
Project: Safety Scalpels			
School: E.A. YOUNG ACADEMY MS		Advisor: Evan Fuchs	

First Place: Ruhani Ahluwalia	Division: J	Category: ALL CATEGORIES	11615
Project: Trojan Horse Carries Magic Bullets to Kill Cancer Cells			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Johnny Ha	

Fort Worth Regional Science Fair

Winners Directory

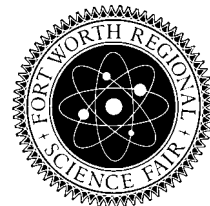


Award: **Lockheed Martin Aeronautics Company**

Third Place: Carolyn Huynh	Division: S	Category: ALL CATEGORIES	07887
Project: Characterizing the Role of Cilia in the Oligodendrocyte Lineage During Myelination			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
Third Place: Jagath Vytheeswaran	Division: S	Category: ALL CATEGORIES	07887
Project: Characterizing the Role of Cilia in the Oligodendrocyte Lineage During Myelination			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
Second Place: Joshua Yue	Division: S	Category: ALL CATEGORIES	06788
Project: Molecular Dynamics Simulations of the NF-kB Inducing Kinase in Disease Prevention			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
First Place: Anagha Krishnan	Division: S	Category: ALL CATEGORIES	06528
Project: Novel Earth's Field Magnetic Resonance Imaging of Copper Chloride for Inexpensive Disease Detection			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory



Award: **Lockheed Martin Leadership Association**

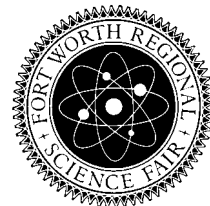
Third Place: Tausiful Hoque	Division: J	Category: ALL CATEGORIES	12498
Project: Using Bioinformatics to Determine the Best Transcription Factor for Direct Reprogramming			
School: HARMONY ACADEMY - EULESS MIDDLE SC		Advisor: Fatih Ilhan	

Second Place: Elizabeth Proctor	Division: J	Category: ALL CATEGORIES	13716
Project: Can fish waste provide enough nutrients to sustain plant growth, and how does it compare to traditional soil based techniques?			
School: Saint Maria Goretti Catholic School		Advisor: Gary Spaulding	

First Place: Quan Le	Division: J	Category: ALL CATEGORIES	12002
Project: Finding the Optimal Solar Cell			
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Rajkumar Tiwari	

Fort Worth Regional Science Fair

Winners Directory

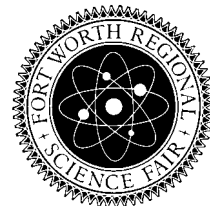


Award: Lockheed Martin Leadership Association

Third Place: Kelsey Hu	Division: S	Category: ALL CATEGORIES	06367
Project: Entropic Clustering Analysis of MRSA strains			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
Third Place: Kritika Soni	Division: S	Category: ALL CATEGORIES	06367
Project: Entropic Clustering Analysis of MRSA strains			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
Second Place: Kinsey Brawner	Division: S	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	
Second Place: Kaylee Brawner	Division: S	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	
First Place: Michelle Mao	Division: S	Category: ALL CATEGORIES	06842
Project: Surface Plasmon Resonance with AZO Film with Tunable Nanoantennas			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

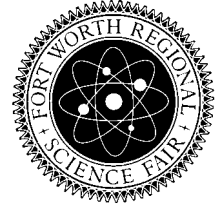
Winners Directory



Award: **Mu Alpha Theta**

First Place: Amber Lu	Division: S	Category: ALL CATEGORIES	06527
Project: Development of a Fragment Method for Estimating Solubilities in Environmentally Friendly Ionic Liquid Solvents			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
First Place: Sarah Cheeran	Division: S	Category: ALL CATEGORIES	06527
Project: Development of a Fragment Method for Estimating Solubilities in Environmentally Friendly Ionic Liquid Solvents			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
First Place: Bihan Jiang	Division: S	Category: ALL CATEGORIES	06527
Project: Development of a Fragment Method for Estimating Solubilities in Environmentally Friendly Ionic Liquid Solvents			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

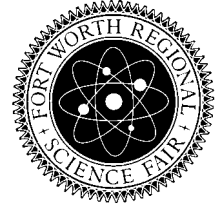
Fort Worth Regional Science Fair Winners Directory



Award: **NASA Earth System Science Award**

First Place: Shinyoung Kang	Division: S	Category: ALL CATEGORIES	06474
Project: Asteroid's Ring Formation Mechanism Simulation			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair Winners Directory



Award: **National Oceanic & Atmospheric Administration (NOAA)**

First Place: Diana Dyer

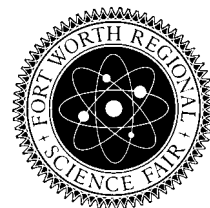
Division: **S&** Category: **ALL CATEGORIES**

09994

Project: **Reduce Evaporation, Save Water**

School: **NORTHSTAR HIGH SCHOOL**

Advisor: **Stacy Vasquez**



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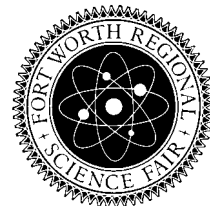
Winners Directory

Award: National Oceanic & Atmospheric Administration, US Dept of Commerce

First Place: Lauren Appleton	Division: S& Category: ALL CATEGORIES	07196
Project: Cleaning Up Oil Spills		
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek
First Place: Bella Loalvo	Division: S& Category: ALL CATEGORIES	07196
Project: Cleaning Up Oil Spills		
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek
First Place: Meredith Cole	Division: S& Category: ALL CATEGORIES	07196
Project: Cleaning Up Oil Spills		
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek

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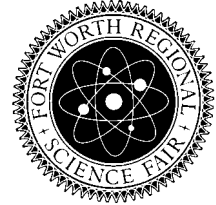
Winners Directory



Award: **RadioShack Corporation Award**

Third Place: Mitchell Hilderhoff	Division: S	Category: ALL CATEGORIES	08496
Project: Creating a portable gaming console with a Raspberry Pi			
School: E.A. YOUNG ACADEMY HS		Advisor: Jeremy Edins	
Second Place: Kinsey Brawner	Division: S	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	
Second Place: Kaylee Brawner	Division: S	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	
First Place: Alex Gonzalez	Division: S	Category: ALL CATEGORIES	12489
Project: Magnetic Turbine			
School: EVERMAN HIGH SCHOOL		Advisor: Larry Ritchie	

Fort Worth Regional Science Fair Winners Directory

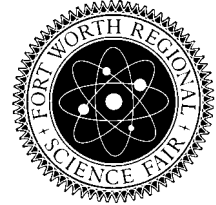


Award: **Ricoh Sustainable Development Award**

First Place: Kinsey Brawner Project: Solar Tracker Design and Analysis	Division: S& Category: ALL CATEGORIES	06530
School: GRANBURY HIGH SCHOOL	Advisor: Janel Morris	
First Place: Kaylee Brawner Project: Solar Tracker Design and Analysis	Division: S& Category: ALL CATEGORIES	06530
School: GRANBURY HIGH SCHOOL	Advisor: Janel Morris	

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Winners Directory

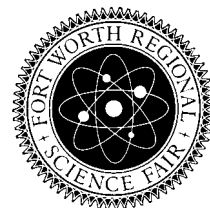


Award: **Sigma Kappa - Marge Barnes Award in Medicine**

First Place: Stella Yanda	Division: S	Category: ALL CATEGORIES	08234
Project: Improved Prescribed Orthopedic Shoe Inserts for Children			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	

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Winners Directory



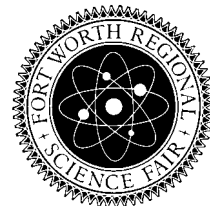
Award: **Society of Allied Weight Engineers**

Second Place: Addison Hudelson	Division: J	Category: ALL CATEGORIES	02640
Project: The Strongest Shape			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Aaron Mouser	

First Place: Joshua Keifer	Division: J	Category: ALL CATEGORIES	11643
Project: Weight Distribution's Effect on the Flight Distance of a Paper Airplane			
School: ST. JOHN APOSTLE CATHOLIC MIDDLE SCH		Advisor: Sally Tice	

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Winners Directory

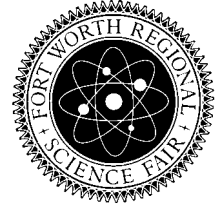


Award: **Society of Allied Weight Engineers**

Second Place: Ethan Ludwig Project: auto reel School: AZLE HIGH SCHOOL	Division: S	Category: ALL CATEGORIES	08533
Advisor: Monica Amyett			
Second Place: Logan Hutton Project: auto reel School: AZLE HIGH SCHOOL	Division: S	Category: ALL CATEGORIES	08533
Advisor: Monica Amyett			
Second Place: Benjamin Koiner Project: auto reel School: AZLE HIGH SCHOOL	Division: S	Category: ALL CATEGORIES	08533
Advisor: Monica Amyett			
First Place: Carson Vogel Project: 3, 2, 1 Splash Off! School: NORTHSTAR HIGH SCHOOL	Division: S	Category: ALL CATEGORIES	12520
Advisor: Kimberly Desrosiers			

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Winners Directory

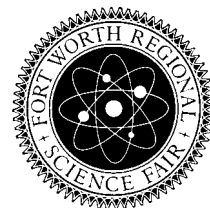


Award: **Society of Flight Test Engineers**

Second Place: Aleena Teresa	Division: J	Category: ALL CATEGORIES	11859
Project: 3..2..1 Blast Off!			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Johnny Ha	

First Place: Nathan Pierce	Division: J	Category: ALL CATEGORIES	12887
Project: Just Wing It!			
School: HOLY FAMILY CATHOLIC MIDDLE SCHOOL		Advisor: Scott Thrower	

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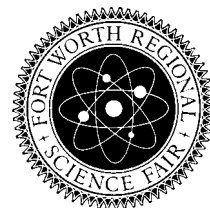
Award: **Society of Flight Test Engineers - Aerospace Achievement Award**

Second Place: Carson Vogel	Division: S	Category: ALL CATEGORIES	12520
Project: 3, 2, 1 Splash Off!			
School: NORTHSTAR HIGH SCHOOL		Advisor: Kimberly Desrosiers	

First Place: Andrew Roh	Division: S	Category: ALL CATEGORIES	11060
Project: What Moved My Soda Can?			
School: NORTHSTAR HIGH SCHOOL		Advisor: Kimberly Desrosiers	

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Winners Directory



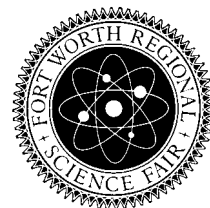
Award: **Society of Tarrant County Veterinary Medical Association**

Second Place: Arnold Langat	Division: S	Category: ALL CATEGORIES	12227
Project: Determining the Effect of High Voltage Power Lines on the Magnetoreception of Grazing Animals			
School: HARMONY ACADEMY - EULESS HIGH SCHO		Advisor: Fuad Khan	

First Place: Jewon Sohn	Division: S	Category: ALL CATEGORIES	06421
Project: Laser Surface Engineering of Stent for Improved Blood Flow Kinetics			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

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Winners Directory



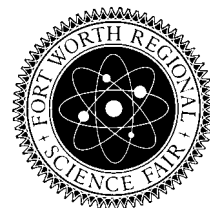
Award: **Tarrant County Veterinary Medical Association**

Second Place: Melina Smith	Division: J	Category: ALL CATEGORIES	10386
Project: How Much Worm Is A Worm			
School: PLUM CREEK ELEMENTARY		Advisor: Therese Ashworth	

First Place: Ava Terrell	Division: J	Category: ALL CATEGORIES	12226
Project: Computational Research of Transcription Factors in Direct Reprogramming of Cells			
School: HOLY FAMILY CATHOLIC MIDDLE SCHOOL		Advisor: Scott Thrower	

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Winners Directory

Award: **US Air Force**

First Place: Anchith Kota	Division: S& Category: ALL CATEGORIES	06539
Project: Integration of Carbon Chain Modifiers and Cerium Oxide Nanoparticles in a Novel Electrochemical Coating to Increase Corrosion Resistance		
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls

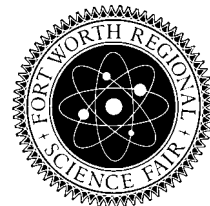
First Place: Victoria Chen	Division: S& Category: ALL CATEGORIES	06438
Project: Mathematical Analysis to Discover Relationships Between Human Neural Micro-Circuitries and Intentional Movement		
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls

First Place: Emily Baker	Division: S& Category: ALL CATEGORIES	10325
Project: The Little Transistor that Could		
School: International Leadership of Texas in Fort Worth		Advisor: Christina Baker

First Place: Vasu Mahapatra	Division: S& Category: ALL CATEGORIES	10809
Project: End of Paralysis – An Investigation of Neuronal Degeneration and Regeneration		
School: Carroll Senior High School		Advisor: Eben Olson

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Winners Directory

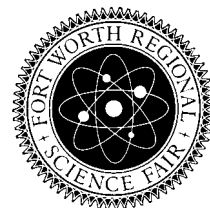


Award: **US Environmental Protection Agency**

Honorable Mention: Ashar Khazi-Syed Division: J Category: ALL CATEGORIES 12186 Project: NANO IS HOT : Water Desalination Using Nanoparticles School: HARMONY SCHOOL OF INNOVATION MIDD Advisor: Norma Ponce
Third Place: Olivia Eley Division: J Category: ALL CATEGORIES 12146 Project: CO2, Can Plants Get an Overdose School: HARMONY SCHOOL OF INNOVATION MIDD Advisor: Sandi Parsons
Second Place: Rebecca Fripp Division: J Category: ALL CATEGORIES 12137 Project: Separating Oil and Water with a Spoon School: Harmony Science Academy Carrollton-Middle Sch Advisor: Rajkumar Tiwari
First Place: Alana Rhodes Division: J Category: ALL CATEGORIES 02306 Project: Water Purification System School: ACTON MIDDLE SCHOOL Advisor: Scott Carpenter

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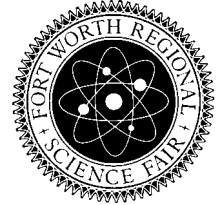
Winners Directory



Award: **US Environmental Protection Agency**

Honorable Mention: Raashi Thakkar	Division: S	Category: ALL CATEGORIES	05441
Project: Go With the Flow: Development of a Novel Water Filter Utilizing Nanotechnology and Porous Materials For Third World Country, Military, and Freshwater Ecosystem Applications			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
Third Place: Isabella Solis	Division: S	Category: ALL CATEGORIES	11838
Project: Indoor Pollution, Outdoor Solution			
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Omer Dogan	
Second Place: Matthew Law	Division: S	Category: ALL CATEGORIES	04714
Project: A Magnetite-Incorporated Hydroxyapatite-Based Electrochemical Sensor for Rapid Detection of Phenolic Content in Water			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
First Place: Graeme Stromsdorfer	Division: S	Category: ALL CATEGORIES	08528
Project: Portable Water Filter			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	
First Place: Maria Parkison	Division: S	Category: ALL CATEGORIES	08528
Project: Portable Water Filter			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	
First Place: Eustachius Joseph	Division: S	Category: ALL CATEGORIES	08528
Project: Portable Water Filter			
School: AZLE HIGH SCHOOL		Advisor: Monica Amyett	

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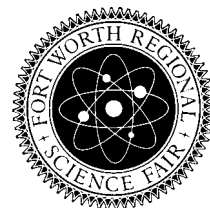


Award: **US Metric Association**

First Place: Shinyoung Kang	Division: S&	Category: ALL CATEGORIES	06474
Project: Asteroid's Ring Formation Mechanism Simulation			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

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Winners Directory

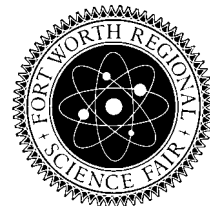


Award: US Navy/Us Marine Corps Office of Naval Research

First Place: Micah Martin	Division: J	Category: ALL CATEGORIES	02168
Project: Ballistics in Motion			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Aaron Mouser	
First Place: Nikhil Thomas	Division: J	Category: ALL CATEGORIES	11181
Project: Remote Weather Monitoring Station - An Internet of Things (IoT) project using Raspberry Pi			
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Sukran Cakiroglu	
First Place: Audrey Davis	Division: J	Category: ALL CATEGORIES	08957
Project: Sensory Solutions: Learning with Intensities			
School: E.A. YOUNG ACADEMY MS		Advisor: Carol Raymond	
First Place: Will Pearson	Division: J	Category: ALL CATEGORIES	02847
Project: Ductape Kevlar			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Aaron Mouser	
First Place: Mohamed Maragan	Division: J	Category: ALL CATEGORIES	12654
Project: Nanotechnology for Water Purification			
School: HARMONY ACADEMY - EULESS MIDDLE SC		Advisor: Fatih Ilhan	
	Division: J	Category: ALL CATEGORIES	12887
Project: Just Wing It!			
School: HOLY FAMILY CATHOLIC MIDDLE SCHOOL		Advisor: Scott Thrower	

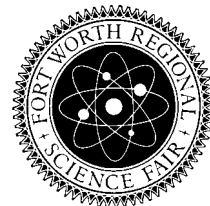
Fort Worth Regional Science Fair

Winners Directory



Award: **Water Environment Association of Texas/Texas American Water Work**

Third Place: Ashar Khazi-Syed	Division: J	Category: ALL CATEGORIES	12186
Project: NANO IS HOT : Water Desalination Using Nanoparticles			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Norma Ponce	
Second Place: Rebecca Fripp	Division: J	Category: ALL CATEGORIES	12137
Project: Separating Oil and Water with a Spoon			
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Rajkumar Tiwari	
First Place: Alana Rhodes	Division: J	Category: ALL CATEGORIES	02306
Project: Water Purification System			
School: ACTON MIDDLE SCHOOL		Advisor: Scott Carpenter	



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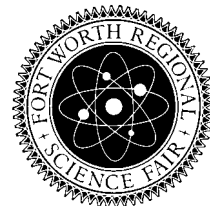
Winners Directory

Award: **Water Environment Association of Texas/Texas American Water Work**

Third Place: Rayni Skaggs	Division: S	Category: ALL CATEGORIES	07272
Project: Consequence of Nonpoint Source Pollution on Freshwater Mussels			
School: GRANBURY HIGH SCHOOL		Advisor: Janel Morris	
Second Place: Raashi Thakkar	Division: S	Category: ALL CATEGORIES	05441
Project: Go With the Flow: Development of a Novel Water Filter Utilizing Nanotechnology and Porous Materials For Third World Country, Military, and Freshwater Ecosystem Applications			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
First Place: Diana Dyer	Division: S	Category: ALL CATEGORIES	09994
Project: Reduce Evaporation, Save Water			
School: NORTHSTAR HIGH SCHOOL		Advisor: Stacy Vasquez	

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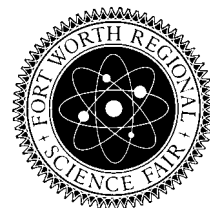


Award: **Water Environment Association Stockholm Junior Water Prize**

First Place: Rayni Skaggs	Division: S& Category: ALL CATEGORIES	07272
Project: Consequence of Nonpoint Source Pollution on Freshwater Mussels		
School: GRANBURY HIGH SCHOOL	Advisor: Janel Morris	
First Place: Diana Dyer	Division: S& Category: ALL CATEGORIES	09994
Project: Reduce Evaporation, Save Water		
School: NORTHSTAR HIGH SCHOOL	Advisor: Stacy Vasquez	
First Place: Raashi Thakkar	Division: S& Category: ALL CATEGORIES	05441
Project: Go With the Flow: Development of a Novel Water Filter Utilizing Nanotechnology and Porous Materials For Third World Country, Military, and Freshwater Ecosystem Applications		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	

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Winners Directory



Award: **Yale Science and Engineering Association**

First Place: Kaylee Brawner	Division: S&	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL	Advisor: Janel Morris		
First Place: Kinsey Brawner	Division: S&	Category: ALL CATEGORIES	06530
Project: Solar Tracker Design and Analysis			
School: GRANBURY HIGH SCHOOL	Advisor: Janel Morris		