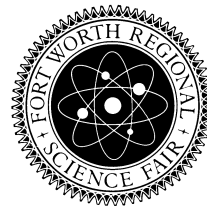


Fort Worth Regional Science Fair

Winners Directory

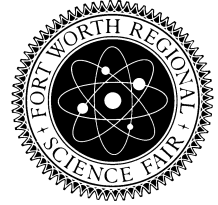


Award: **American Chemical Society**

First Place: Kambryn Vera	Division: S& Category: All Categories	65074
Project: C the Difference		
School: LIBERTY CHRISTIAN HIGH SCHOOL	Advisor: Jamie Michalek	
First Place: Mary Harshfield	Division: S& Category: All Categories	65074
Project: C the Difference		
School: LIBERTY CHRISTIAN HIGH SCHOOL	Advisor: Jamie Michalek	
First Place: Lindsay Tito	Division: S& Category: All Categories	65074
Project: C the Difference		
School: LIBERTY CHRISTIAN HIGH SCHOOL	Advisor: Jamie Michalek	

Fort Worth Regional Science Fair

Winners Directory

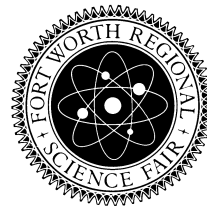


Award: **American Industrial Hygiene Association North Texas Section**

First Place: David Kearns	Division: J	Category: All Categories	55237
Project: The Effects of WiFi vs. LTE on Plant Growth			
School: E.A. YOUNG ACADEMY MS		Advisor: Carol Raymond	

Fort Worth Regional Science Fair

Winners Directory



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

First Place: Natasha Chugh Division: S Category: All Categories **55410**

Project: **A Novel, Telemedicine Monitoring and Prevention Tool for Behavior-Induced Chronic Dehydration: The Use of Cognitive Motivation Methodologies with LDA-Supervised Image Processing**

School: **TEXAS ACADEMY OF MATHEMATICS AND S** Advisor: **Samuel Earls**

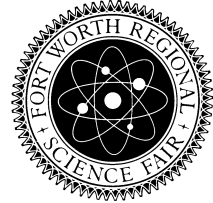
First Place: Benjamin Li Division: S Category: All Categories **55410**

Project: **A Novel, Telemedicine Monitoring and Prevention Tool for Behavior-Induced Chronic Dehydration: The Use of Cognitive Motivation Methodologies with LDA-Supervised Image Processing**

School: **TEXAS ACADEMY OF MATHEMATICS AND S** Advisor: **Samuel Earls**

Fort Worth Regional Science Fair

Winners Directory

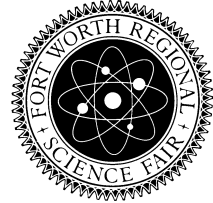


Award: **American Meteorological Society & National Weather Association**

First Place: Emma Norstebon	Division: J	Category: All Categories	42467
Project: Wave Wonder			
School: ST. ELIZABETH ANN SETON CATHOLIC MID		Advisor: Katherine Arnold	

Second Place: Anthony Guerrero	Division: J	Category: All Categories	69813
Project: Wind vs Solar Power			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Deborah Epps	

Fort Worth Regional Science Fair Winners Directory



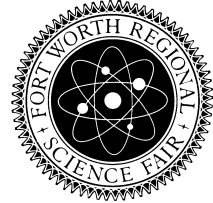
Award: **American Meteorological Society - ISEF**

First Place: Ashley McKillop	Division: S& Category: All Categories	40966
Project: Can We Change the Way We Develop Cities to Prevent Flooding?		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	

Second Place: Hunter Meroney	Division: S& Category: All Categories	66086
Project: Do wind farms cause harm to plants?		
School: GRANBURY HIGH SCHOOL	Advisor: Priscilla Lumbreras	

Fort Worth Regional Science Fair

Winners Directory

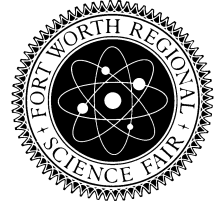


Award: **American Meteorological Society & NWS - N Texas Chapter**

First Place: Ashley McKillop	Division: S	Category: All Categories	40966
Project: Can We Change the Way We Develop Cities to Prevent Flooding?			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	

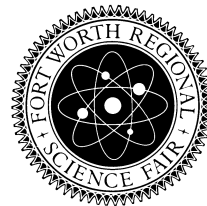
Second Place: Hunter Meroney	Division: S	Category: All Categories	66086
Project: Do wind farms cause harm to plants?			
School: GRANBURY HIGH SCHOOL		Advisor: Priscilla Lumbreras	

Fort Worth Regional Science Fair Winners Directory



Award: **American Psychological Association**

First Place: Brooke Wilson	Division: S& Category: All Categories	41470
Project: The Effects of Various Distractors on Working Memory in Adolescents		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	



Fort Worth Regional Science Fair

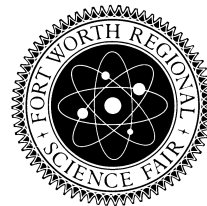
Winners Directory

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

First Place: Lindy Lyda	Division: J	Category: All Categories	64694
Project: The Effect of CILTEP and Pirecetam on D. Dorocephala and the Potential Relation to Human Memory			
School: E.A. YOUNG ACADEMY MS	Advisor: Carol Raymond		

Second Place: Ashar Khazi-Syed	Division: J	Category: All Categories	70022
Project: Microbes The Giants of the Future: Water Desalination Using MDC's			
School: HARMONY SCHOOL OF INNOVATION MIDD	Advisor: Darryl Narcisse		

Third Place: Julia Shanks	Division: J	Category: All Categories	58618
Project: Water Spins Me Right Round Baby Right Round			
School: LIBERTY CHRISTIAN SCHOOL	Advisor: Loren Gallo		



Fort Worth Regional Science Fair

Winners Directory

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

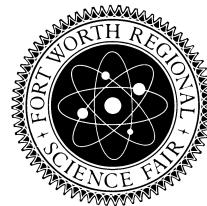
First Place: Ruhani Ahluwalia	Division: S	Category: All Categories	66423
Project: Lipoprotein-based Therapeutic Approach to Combat Breast Cancer			
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Omer Dogan	

Second Place: David Yue	Division: S	Category: All Categories	65709
Project: Innovative High-Performance Polymer-Blended Mixed-Matrix Membranes (PB-MMMs) with Heterogenous Triadic Compatibilizers $\Gamma\zeta\omicron$ Small Organic Molecules, Metal Organic Frameworks, and			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Third Place: Jonathan Lu	Division: S	Category: All Categories	57762
Project: Laser-Enhanced Biodegradable Bone Implants: In Vitro-Assessed Biomineralization and Degradation of Mg-Alloy Biomaterials with Optimized Microstructure Modifications			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

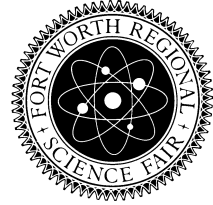
Winners Directory



Award: **ASM International - DFW Chapter**

First Place: Justin Chapman	Division: S& Category: All Categories	66955
Project: Head Shots		
School: GRANBURY HIGH SCHOOL	Advisor: Priscilla Lumbreras	
First Place: Christian Fawley	Division: S& Category: All Categories	66955
Project: Head Shots		
School: GRANBURY HIGH SCHOOL	Advisor: Priscilla Lumbreras	
Second Place: Major Hermann	Division: S& Category: All Categories	49959
Project: Handyman		
School: LIBERTY CHRISTIAN SCHOOL	Advisor: Kate Daggett	

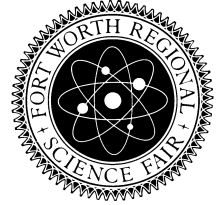
Fort Worth Regional Science Fair Winners Directory



Award: **ASM International Materials Education Foundation - ISEF**

First Place: Rajveer Sagoo	Division: S& Category: All Categories	70574
Project: Nitinol-60 Rockets		
School: HARMONY SCHOOL OF INNOVATION MIDD	Advisor: Darryl Narcisse	

Fort Worth Regional Science Fair Winners Directory

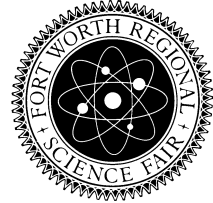


Award: **Association for Women Geoscientist - ISEF**

First Place: Ashley McKillop	Division: S& Category: All Categories	40966
Project: Can We Change the Way We Develop Cities to Prevent Flooding?		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	

Fort Worth Regional Science Fair

Winners Directory



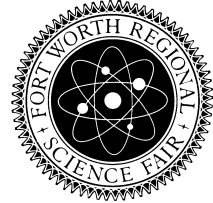
Award: **ASU Walton Sustainability Solutions Initiatives - ISEF**

First Place: Julia Cavalcanti	Division: S& Category: All Categories	40956
Project: The Power of Compost		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	

Second Place: Victoria Fasakin	Division: S& Category: All Categories	70445
Project: Almost Free Energy		
School: Harmony School of Nature (Dallas) MS	Advisor: Fatih Ilhan	

Fort Worth Regional Science Fair

Winners Directory

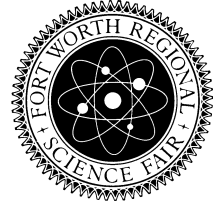


Award: **Charlie Mary Noble Award in Astronomy**

First Place: Alicia Hurtado	Division: S& Category: Environmental Management	40808
Project: Self-Cleaning Solar Panel: The Construction and Application of a Dark-Detecting Photoresistor Circuit to Maximize Solar Panel Efficiency		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	
First Place: Jamil Okada	Division: S& Category: Environmental Management	40808
Project: Self-Cleaning Solar Panel: The Construction and Application of a Dark-Detecting Photoresistor Circuit to Maximize Solar Panel Efficiency		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	

Fort Worth Regional Science Fair

Winners Directory



Award: **Delbert E. Lawry Award**

First Place: Carter Peabody

Division: **J** Category: **All Categories**

70323

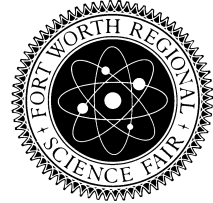
Project: **How does temperature affect the performance of a metal alloy bat?**

School: **Sue Crouch Intermediate**

Advisor: **Bryan Michler**

Fort Worth Regional Science Fair

Winners Directory

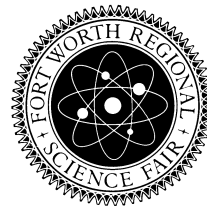


Award: **Delbert E. Lawry Award**

First Place: Arnold Xu	Division: S	Category: All Categories	62371
Project: Fly Me to the Sun			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
First Place: Austin Graves	Division: S	Category: All Categories	62371
Project: Fly Me to the Sun			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
First Place: Jake Watson	Division: S	Category: All Categories	62371
Project: Fly Me to the Sun			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	

Fort Worth Regional Science Fair

Winners Directory



Award: **Fort Worth Area Psychological Association**

First Place: Natasha Chugh Division: S Category: All Categories **55410**

Project: **A Novel, Telemedicine Monitoring and Prevention Tool for Behavior-Induced Chronic Dehydration: The Use of Cognitive Motivation Methodologies with LDA-Supervised Image Processing**

School: **TEXAS ACADEMY OF MATHEMATICS AND S** Advisor: **Samuel Earls**

First Place: Benjamin Li Division: S Category: All Categories **55410**

Project: **A Novel, Telemedicine Monitoring and Prevention Tool for Behavior-Induced Chronic Dehydration: The Use of Cognitive Motivation Methodologies with LDA-Supervised Image Processing**

School: **TEXAS ACADEMY OF MATHEMATICS AND S** Advisor: **Samuel Earls**

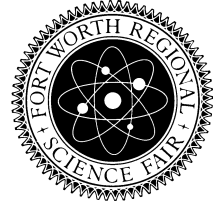
Second Place: Ainsley McDonald-Boyer Division: S Category: All Categories **40875**

Project: **Diagnostic Test for Dyslexia: Year 3**

School: **AZLE HIGH SCHOOL** Advisor: **Kimberly Wrick**

Fort Worth Regional Science Fair

Winners Directory

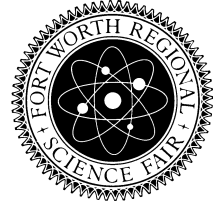


Award: **Fort Worth Audubon Society Conservation Award**

First Place: John Matthews	Division: J	Category: All Categories	69085
Project: The Dissolve Effect			
School: Harmony School of Nature (Dallas) MS		Advisor: Fatih Ilhan	

Fort Worth Regional Science Fair

Winners Directory

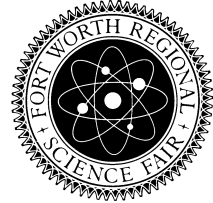


Award: **Fort Worth Audubon Society Conservation Award**

First Place:	Blake Pope	Division: S	Category: All Categories	41711
Project: Mitochondrial Genetic Variation Within and Among <i>Holbrookia lacerata lacerata</i> and <i>Holbrookia lacerata subcaudalis</i>, the Spot-tailed Earless Lizards of Texas				
School: SUMMIT INTERNATIONAL HIGH SCHOOL		Advisor: Gary Nicholson		

Fort Worth Regional Science Fair

Winners Directory



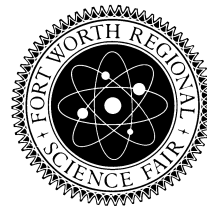
Award: **Institute of Electrical and Electronics Engineers, Fort Worth Sec**

First Place: Eliyah El	Division: J	Category: All Categories	69986
Project: Pick Me Up			
School: Harmony School of Nature (Dallas) MS		Advisor: Fatih Ilhan	

Second Place: Raphael Cacho	Division: J	Category: All Categories	70427
Project: V.e.l.o.c.i.t.y. Vessel Emitting Light of computing technological yield			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Darryl Narcisse	

Fort Worth Regional Science Fair

Winners Directory

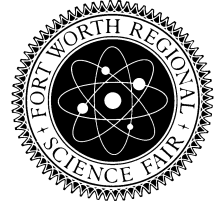


Award: **Institute of Electrical and Electronics Engineers, Fort Worth Sec**

First Place: Sarah Manjee	Division: S	Category: All Categories	40976
Project: Smart Glove			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
First Place: Shreya Roy	Division: S	Category: All Categories	40976
Project: Smart Glove			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
Second Place: Jamil Okada	Division: S	Category: All Categories	40808
Project: Self-Cleaning Solar Panel: The Construction and Application of a Dark-Detecting Photoresistor Circuit to Maximize Solar Panel Efficiency			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
Second Place: Alicia Hurtado	Division: S	Category: All Categories	40808
Project: Self-Cleaning Solar Panel: The Construction and Application of a Dark-Detecting Photoresistor Circuit to Maximize Solar Panel Efficiency			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	

Fort Worth Regional Science Fair

Winners Directory

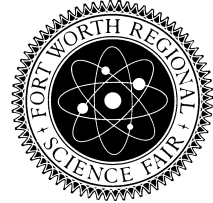


Award: **Intel Excellence in Computer Science - ISEF**

First Place: Ritik Patnaik	Division: S	Category: All Categories	51796
Project: Piometrics FingoID: Multimodal Biometric Authentication through Peripheral Vein Patterns and Fingerprints			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory

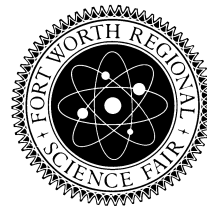


Award: **Lockheed Martin Aeronautics Company**

First Place: Michael Ramirez	Division: J	Category: All Categories	51742
Project: Light but Mighty: Carbon Fiber Composite			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	
Second Place: Jenny Kim	Division: J	Category: All Categories	50869
Project: Bright Laser, Refract through Water			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	
Third Place: Rajveer Sagoo	Division: J	Category: All Categories	70574
Project: Nitinol-60 Rockets			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Darryl Narcisse	

Fort Worth Regional Science Fair

Winners Directory



Award: **Lockheed Martin Aeronautics Company**

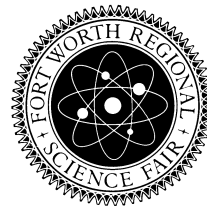
First Place: Justin Yu	Division: S	Category: All Categories	40957
Project: Winging it: Performance of Co-Flow Jets on Common Airfoils at Low Reynolds Numbers			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	

Second Place: Sangita Vasikaran	Division: S	Category: All Categories	51858
Project: Effective Evasion of Chemotherapeutic Resistance by Functionalized Viral Capsid			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Third Place: Jonathan Lu	Division: S	Category: All Categories	57762
Project: Laser-Enhanced Biodegradable Bone Implants: In Vitro-Assessed Biomineralization and Degradation of Mg-Alloy Biomaterials with Optimized Microstructure Modifications			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory



Award: **Lockheed Martin Leadership Association**

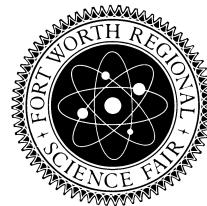
First Place: Raphael Cacho	Division: J Category: All Categories	70427
Project: V.e.l.o.c.i.t.y. Vessel Emitting Light of computing technological yield		
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Darryl Narcisse

Second Place: Alyssa Trasporto	Division: J Category: All Categories	51013
Project: Bacteria Banished: An Investigation on the Effect of Varying pH Levels on Promoting Bactericidal Processes		
School: TAMS Middle School Aspire Fair		Advisor: Russ Stukel

Third Place: Enzo Sagun	Division: J Category: All Categories	69213
Project: Hydro Gen		
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Deborah Epps

Fort Worth Regional Science Fair

Winners Directory



Award: **Lockheed Martin Leadership Association**

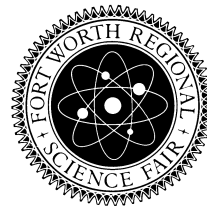
First Place: Rhea Kapoor	Division: S	Category: All Categories	57821
Project: Application of Fractal Geometry for Early Detection and Histopathological Analysis of Lung Cancer			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Second Place: Alice Hou	Division: S	Category: All Categories	57653
Project: Single Cell Analysis Nanochip Platform with Multi-dimensional Therapeutical Impact			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Third Place: Ritik Patnaik	Division: S	Category: All Categories	51796
Project: Piometrics FingoID: Multimodal Biometric Authentication through Peripheral Vein Patterns and Fingerprints			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory



Award: **Miles Foundation**

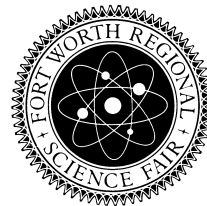
First Place: Julia Shanks	Division: J	Category: All Categories	58618
Project: Water Spins Me Right Round Baby Right Round			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	

Second Place: Dylan Mizell	Division: J	Category: All Categories	66730
Project: Ship Shape Hulls			
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Sukran Cakiroglu	

Third Place: Joaquin Van Trease	Division: J	Category: All Categories	66524
Project: Bad to the bow			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	

Fort Worth Regional Science Fair

Winners Directory



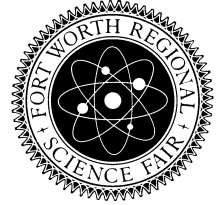
Award: **Miles Foundation**

First Place: Jesse Marasigan	Division: S	Category: All Categories	70967
Project: Stealthy Shapes			
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Nicole Turner	

Second Place: Cameron Taylor	Division: S	Category: All Categories	59306
Project: Exit Velocity			
School: EVERMAN HIGH SCHOOL		Advisor: Angela Collinsworth	

Third Place: Jacob Gutierrez	Division: S	Category: All Categories	40942
Project: Hydrogen A better fuel			
School: AZLE HIGH SCHOOL		Advisor: Kimberly Wrick	

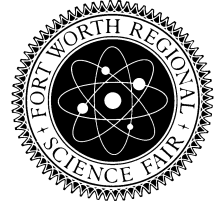
Fort Worth Regional Science Fair Winners Directory



Award: **Mu Alpha Theta - ISEF**

First Place: Rhea Kapoor	Division: S	Category: All Categories	57821
Project: Application of Fractal Geometry for Early Detection and Histopathological Analysis of Lung Cancer			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair Winners Directory

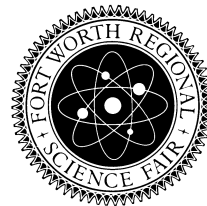


Award: **NASA Earth System Science Award - ISEF**

First Place: Alexandra Popke	Division: S	Category: All Categories	43367
Project: Bio-Tarp			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	

Fort Worth Regional Science Fair

Winners Directory

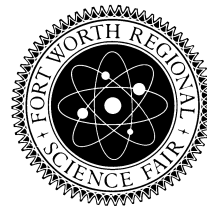


Award: **National Oceanic & Atmospheric Administration US Dept of Commerce**

First Place: David Yue	Division: S& Category: All Categories	65709
Project: Innovative High-Performance Polymer-Blended Mixed-Matrix Membranes (PB-MMMs) with Heterogenous Triadic Compatibilizers $\Gamma\zeta\omicron$ Small Organic Molecules, Metal Organic Frameworks, and		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	

Fort Worth Regional Science Fair

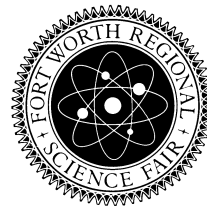
Winners Directory



Award: **RadioShack Corporation Award**

First Place: Kevin Mathew	Division: S& Category: All Categories	70039
Project: VR and Haptics: The After Effects		
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Bilal Yildirim
First Place: Ethan Bolling	Division: S& Category: All Categories	70039
Project: VR and Haptics: The After Effects		
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Bilal Yildirim
First Place: Lucio Petrilli	Division: S& Category: All Categories	70039
Project: VR and Haptics: The After Effects		
School: HARMONY SCHOOL OF INNOVATION HIGH		Advisor: Bilal Yildirim
Second Place: Livia Kasjanowicz	Division: S& Category: All Categories	70046
Project: Control LEDs With Your Voice		
School: Harmony Science Academy Carrollton-Middle Sch		Advisor: Nuray Elbasi
Third Place: Sarah Zou	Division: S& Category: All Categories	51246
Project: High-Performance Lithium-Ion Battery Electrode Derived from Sustainable Biomass		
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls

Fort Worth Regional Science Fair Winners Directory

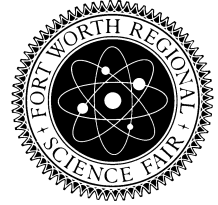


Award: **Ricoh Sustainable Development Award - ISEF**

First Place: David Yue	Division: S& Category: All Categories	65709
Project: Innovative High-Performance Polymer-Blended Mixed-Matrix Membranes (PB-MMMs) with Heterogenous Triadic Compatibilizers $\Gamma\zeta\omicron$ Small Organic Molecules, Metal Organic Frameworks, and		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	

Fort Worth Regional Science Fair

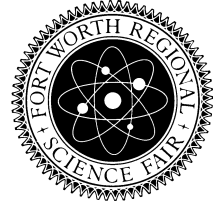
Winners Directory



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

First Place: Gary Tejada	Division: S	Category: All Categories	65958
Project: BioLight			
School: Harmony Science Academy Carrollton_High Schoo		Advisor: Manisha Singh	

Fort Worth Regional Science Fair Winners Directory



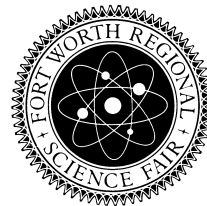
Award: **Society of Allied Weight Engineers**

First Place: Rajveer Sagoo	Division: J	Category: All Categories	70574
Project: Nitinol-60 Rockets			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Darryl Narcisse	

Second Place: Michael Ramirez	Division: J	Category: All Categories	51742
Project: Light but Mighty: Carbon Fiber Composite			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	

Fort Worth Regional Science Fair

Winners Directory

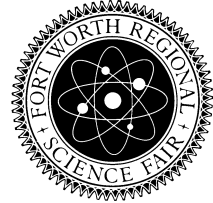


Award: **Society of Allied Weight Engineers**

First Place: Ziqian Wang	Division: S	Category: All Categories	40994
Project: A Helping Hand: Analyzing the Viability of Reaction-Driven Soft Robotic Actuators			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
First Place: Zafir Patel	Division: S	Category: All Categories	40994
Project: A Helping Hand: Analyzing the Viability of Reaction-Driven Soft Robotic Actuators			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
Second Place: Rebecca Fripp	Division: S	Category: All Categories	66416
Project: High Frequency Force Sensors to Quantify Balance			
School: Harmony Science Academy Carrollton High School		Advisor: Mehmet Biter	

Fort Worth Regional Science Fair

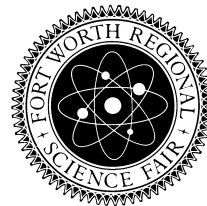
Winners Directory



Award: **Society of Flight Test Engineers**

First Place: Rajveer Sagoo	Division: J	Category: All Categories	70574
Project: Nitinol-60 Rockets			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Darryl Narcisse	

Second Place: Molly Monschke	Division: J	Category: All Categories	52492
Project: Wind Breaker			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Kate Daggett	



Fort Worth Regional Science Fair

Winners Directory

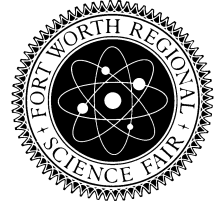
Award: **Society of Flight Test Engineers - Aerospace Achievement Award**

First Place: Justin Yu	Division: S	Category: All Categories	40957
Project: Winging it: Performance of Co-Flow Jets on Common Airfoils at Low Reynolds Numbers			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	

Second Place: Jake Watson	Division: S	Category: All Categories	62371
Project: Fly Me to the Sun			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
Second Place: Arnold Xu	Division: S	Category: All Categories	62371
Project: Fly Me to the Sun			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	
Second Place: Austin Graves	Division: S	Category: All Categories	62371
Project: Fly Me to the Sun			
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek	

Fort Worth Regional Science Fair

Winners Directory

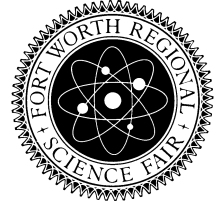


Award: **Tarrant County Veterinary Medical Association**

First Place: Mackenzie Hamilton	Division: J	Category: All Categories	51254
Project: Best Blanket Bond			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	

Second Place: Reeves Baller	Division: J	Category: All Categories	52603
Project: Mealworm Magic!			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Kate Daggett	

Fort Worth Regional Science Fair Winners Directory



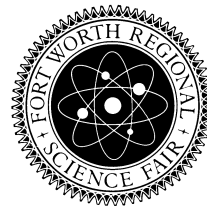
Award: **Tarrant County Veterinary Medical Association**

First Place: Neha Kalakuntla	Division: S	Category: All Categories	54434
Project: Biom mineralization of Laser-Assisted Hydroxyapatite Coatings on AZ31B Magnesium Alloy			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Second Place: Savanna Hutcherson	Division: S	Category: All Categories	44152
Project: Antibiotic Resistance			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	

Fort Worth Regional Science Fair

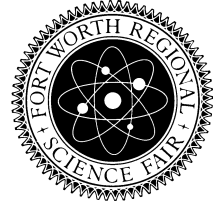
Winners Directory

Award: **US Air Force**

First Place: Jake Watson	Division: S& Category: All Categories	62371
Project: Fly Me to the Sun		
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek
First Place: Arnold Xu	Division: S& Category: All Categories	62371
Project: Fly Me to the Sun		
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek
First Place: Austin Graves	Division: S& Category: All Categories	62371
Project: Fly Me to the Sun		
School: LIBERTY CHRISTIAN HIGH SCHOOL		Advisor: Jamie Michalek
First Place: Chenglong Huang	Division: S& Category: All Categories	70820
Project: Deep Learning for Survival Prediction from Imaging Genetics Data		
School: CHHS-ch		Advisor: Junzhou Huang
First Place: Rishi Shridharan	Division: S& Category: All Categories	55307
Project: Effects of Primary Cilia Loss on Population of Oligodendrocyte Lineage in Mouse Brain		
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls
First Place: Abigail Bates	Division: S& Category: All Categories	40941
Project: Catnip Repellant		
School: AZLE HIGH SCHOOL		Advisor: Kimberly Wrick

Fort Worth Regional Science Fair

Winners Directory

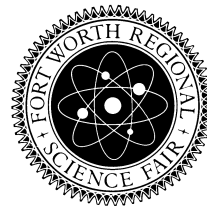


Award: **US Metric Association - ISEF**

First Place: Michael Ramirez	Division: S&	Category: All Categories	51742
Project: Light but Mighty: Carbon Fiber Composite			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	

Fort Worth Regional Science Fair

Winners Directory



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

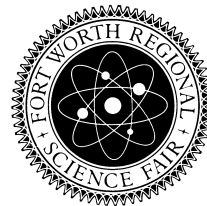
First Place: Jenny Kim	Division: J	Category: All Categories	50869
Project: Bright Laser, Refract through Water			
School: LIBERTY CHRISTIAN SCHOOL		Advisor: Loren Gallo	

First Place: Ashar Khazi-Syed	Division: J	Category: All Categories	70022
Project: Microbes The Giants of the Future: Water Desalination Using MDC's			
School: HARMONY SCHOOL OF INNOVATION MIDD		Advisor: Darryl Narcisse	

First Place: Yusuf Aslan	Division: J	Category: All Categories	70690
Project: Nanotechnology for Water Purification			
School: Harmony School of Nature (Dallas) MS		Advisor: Fatih Ilhan	

Fort Worth Regional Science Fair

Winners Directory

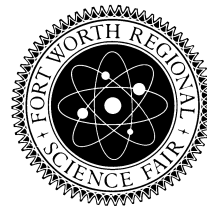


Award: **US Navy / US Marine Corps Office of Naval Research**

First Place: Shreya Roy	Division: S	Category: All Categories	40976
Project: Smart Glove			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
First Place: Sarah Manjee	Division: S	Category: All Categories	40976
Project: Smart Glove			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
First Place: Justin Yu	Division: S	Category: All Categories	40957
Project: Winging it: Performance of Co-Flow Jets on Common Airfoils at Low Reynolds Numbers			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	
First Place: Ritik Patnaik	Division: S	Category: All Categories	51796
Project: Piometrics FingoID: Multimodal Biometric Authentication through Peripheral Vein Patterns and Fingerprints			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	
First Place: Jonathan Lu	Division: S	Category: All Categories	57762
Project: Laser-Enhanced Biodegradable Bone Implants: In Vitro-Assessed Biomineralization and Degradation of Mg-Alloy Biomaterials with Optimized Microstructure Modifications			
School: TEXAS ACADEMY OF MATHEMATICS AND S		Advisor: Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory



Award: **Water Environment Association of Texas**

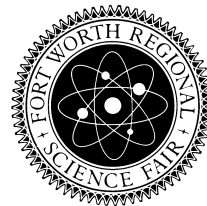
First Place: Jaila Dobie	Division: J	Category: All Categories	69105
Project: Algae Alive			
School: NORTHSTAR MIDDLE SCHOOL		Advisor: Erin Jezek	

Second Place: Isabella Caban	Division: J	Category: All Categories	70435
Project: Water filter V.S. pre filtered water			
School: Harmony School of Nature (Dallas) MS		Advisor: Fatih Ilhan	

Third Place: Sara Savage	Division: J	Category: All Categories	70268
Project: What Metal Is Most Affected By Salted Water			
School: ST. JOHN APOSTLE CATHOLIC MIDDLE SCH		Advisor: Kevin Hathaway	

Fort Worth Regional Science Fair

Winners Directory

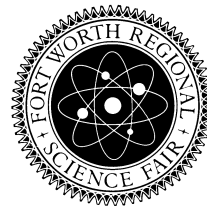


Award: **Water Environment Association of Texas**

First Place: Kesavan Srivilliputhur	Division: S	Category: All Categories	70256
Project: Mechanisms of Rare Gas Diffusion Through Graphene Using First Principles Simulations			
School: Denton High School		Advisor: Heather Lentz	

Second Place: Jayaker Kolli	Division: S	Category: All Categories	44155
Project: Clear as Mud: The Efficiency of Flocculation on Water Extraction and Microbial Fuel Cell Creation			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	

Third Place: Ryan Nguyen	Division: S	Category: All Categories	40951
Project: Staying clean, the creation of drinking water			
School: Colleyville Heritage High School		Advisor: Sonya Loughran	



Fort Worth Regional Science Fair

Winners Directory

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

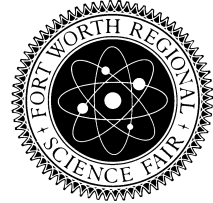
First Place: Kesavan Srivilliputhur	Division: S& Category: All Categories	70256
Project: Mechanisms of Rare Gas Diffusion Through Graphene Using First Principles Simulations		
School: Denton High School	Advisor: Heather Lentz	

Second Place: Jayaker Kolli	Division: S& Category: All Categories	44155
Project: Clear as Mud: The Efficiency of Flocculation on Water Extraction and Microbial Fuel Cell Creation		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	

Third Place: Ryan Nguyen	Division: S& Category: All Categories	40951
Project: Staying clean, the creation of drinking water		
School: Colleyville Heritage High School	Advisor: Sonya Loughran	

Fort Worth Regional Science Fair

Winners Directory



Award: **Yale Science and Engineering Association - ISEF**

First Place: Jonathan Lu	Division: S& Category: All Categories	57762
Project: Laser-Enhanced Biodegradable Bone Implants: In Vitro-Assessed Biomineralization and Degradation of Mg-Alloy Biomaterials with Optimized Microstructure Modifications		
School: TEXAS ACADEMY OF MATHEMATICS AND S	Advisor: Samuel Earls	