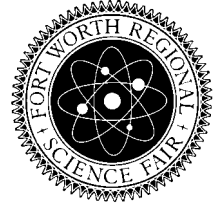


# Fort Worth Regional Science Fair Winners Directory



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

**First Place: Beverly Schluckwerder**

**Division: J**

**Category: All Categories**

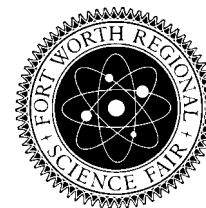
**102067**

**Project: Can you hear me?**

**School: Harmony School Of Innovation Middle School (For**

**Advisor: Deborah Epps**

# Fort Worth Regional Science Fair Winners Directory

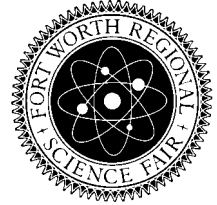


Award: **American Industrial Hygiene Association North Texas Section**

<b>First Place: Shang Wang</b>	Division: S	Category: All Categories	<b>91501</b>
Project: <b>Development of Analytical Methods for Alternatives to Hazardous Organic Compounds</b>			
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>	
<b>First Place: Kelly Liu</b>	Division: S	Category: All Categories	<b>91501</b>
Project: <b>Development of Analytical Methods for Alternatives to Hazardous Organic Compounds</b>			
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>	

# Fort Worth Regional Science Fair

## Winners Directory

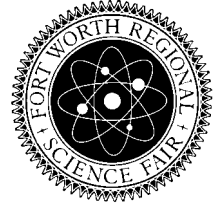


Award: **American Meteorological Society - ISEF**

<b>First Place: Christine Trimmer</b>	<b>Division: S</b>	<b>Category: All Categories</b>	<b>72971</b>
Project: <b>safe screen</b>			
School: <b>Grapevine High School</b>		Advisor: <b>Erin Smith</b>	

<b>Second Place: Katherine Faulkner</b>	<b>Division: S</b>	<b>Category: All Categories</b>	<b>76598</b>
Project: <b>The Evolution and Environmental Implications of the Fossil and Contemporary Diatoms of Grove Lake Wildlife Management Area near Royal, Nebraska</b>			
School: <b>Paschal High School</b>		Advisor: <b>Andrew Brinker</b>	

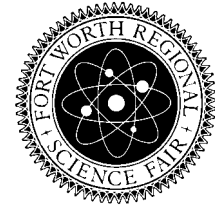
# Fort Worth Regional Science Fair Winners Directory



Award: **American Psychological Association - ISEF**

<b>First Place:</b> Rhythm Garg	Division: <b>S&amp;</b> Category: <b>All Categories</b>	<b>92482</b>
Project: <b>Diagnosing Autism with Machine Learning: Binary Classification for Eye Movement in Virtual Reality Environment</b>		
School: <b>Texas Academy Of Mathematics And Sciences H S</b>	Advisor: <b>Samuel Earls</b>	

# Fort Worth Regional Science Fair Winners Directory



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

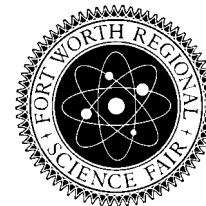
<b>First Place:</b> EmmaGrace Freeman	Division: J	Category: All Categories	<b>85392</b>
Project: Visual or Auditory~ Which one are you?			
School: Liberty Christian School M S		Advisor: Kate Daggett	

<b>Second Place:</b> Christopher Archer	Division: J	Category: All Categories	<b>88169</b>
Project: Soaring High in Texas			
School: Liberty Christian School M S		Advisor: Loren Gallo	

<b>Third Place:</b> Zackary Michler	Division: J	Category: All Categories	<b>102354</b>
Project: Let's Make a Paradox			
School: Sue Crouch Intermediate		Advisor: Chelsea Ruffin-Hawthorn	

# Fort Worth Regional Science Fair

## Winners Directory



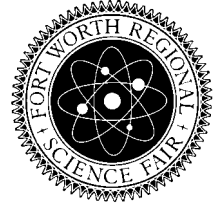
Award: **American Society for Quality, Greater Ft. Worth Section 1416**

<b>First Place: Eunyoung Kim</b>	Division: S    Category: All Categories	91183
Project: <b>Photothermal efficiency of silver nanoparticles in tissue stratification models: An investigation on the effect of nanoparticle size and polymeric substrate models on nanoparticle light to heat conversion efficiency</b>		
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>

<b>Second Place: Julia Camacho</b>	Division: S    Category: All Categories	91166
Project: <b>Predicting the Development of Secondary Central Nervous System Cancer Through Ensemble Learning Methods</b>		
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>

<b>Third Place: Aamilah Chowdhury</b>	Division: S    Category: All Categories	74338
Project: <b>Biomechanical Characterization of the Adult Porcine Cardiac Septum: A New Animal Model for Hypertrophic Cardiomyopathy</b>		
School: <b>Summit International High School</b>		Advisor: <b>Gabriel Diaz-Gregorich</b>

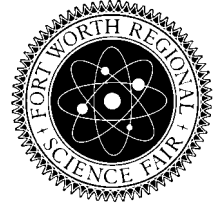
# Fort Worth Regional Science Fair Winners Directory



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

<b>First Place:</b> Ashar Khazi-Syed	<b>Division:</b> S&	<b>Category:</b> All Categories	<b>102391</b>
<b>Project:</b> Micro Meets Nano: Applying Carbon Nanotubes in Microbial Desalination Cells			
<b>School:</b> Harmony School Of Innovation High School (Fort		<b>Advisor:</b> Deena Ibrahim	

# Fort Worth Regional Science Fair Winners Directory

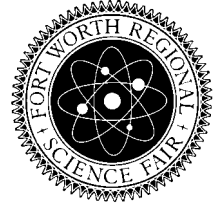


Award: **Association for Women Geoscientist - ISEF**

<b>First Place: Katherine Faulkner</b>	<b>Division: S&amp; Category: All Categories</b>	<b>76598</b>
<b>Project: The Evolution and Environmental Implications of the Fossil and Contemporary Diatoms of Grove Lake Wildlife Management Area near Royal, Nebraska</b>		
<b>School: Paschal High School</b>	<b>Advisor: Andrew Brinker</b>	



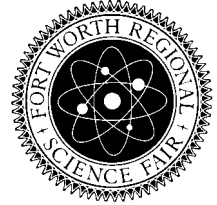
# Fort Worth Regional Science Fair Winners Directory



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

<b>First Place: Christopher Archer</b>	<b>Division: S&amp; Category: Physics &amp; Astronomy</b>	<b>88169</b>
<b>Project: Soaring High in Texas</b>		
<b>School: Liberty Christian School M S</b>	<b>Advisor: Loren Gallo</b>	

# Fort Worth Regional Science Fair Winners Directory



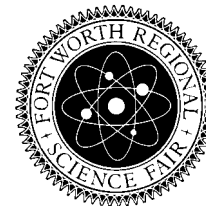
Award: **Delbert E. Lawry Award**

<b>First Place: Boyd Peck</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>82959</b>
Project: <b>The Crack of the Bat</b>			
School: <b>Liberty Christian School M S</b>		Advisor: <b>Amy Funderburk</b>	

<b>Second Place: Aidan Hurley</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>75847</b>
Project: <b>Nerf Going the Distance</b>			
School: <b>St. Elizabeth Ann Seton Catholic Middle School</b>		Advisor: <b>Katherine Arnold</b>	

# Fort Worth Regional Science Fair

## Winners Directory

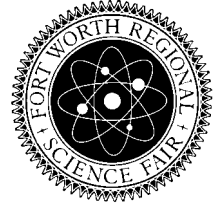


Award: **Delbert E. Lawry Award**

<b>First Place: Cameron Hamway</b>	Division: S	Category: All Categories	72956
Project: <b>Third World Filtration System</b>			
School: <b>Grapevine High School</b>		Advisor: <b>Erin Smith</b>	

<b>Second Place: Austen Lloyd</b>	Division: S	Category: All Categories	72926
Project: <b>Bus Safety Stop Signs</b>			
School: <b>Azle High School</b>		Advisor: <b>Kimberly Wrick</b>	
<b>Second Place: Joel Clark</b>	Division: S	Category: All Categories	72926
Project: <b>Bus Safety Stop Signs</b>			
School: <b>Azle High School</b>		Advisor: <b>Kimberly Wrick</b>	

# Fort Worth Regional Science Fair Winners Directory

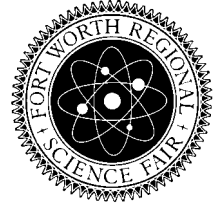


Award: **Fort Worth Area Psychological Association**

<b>First Place:</b> Ella Bennett	Division: J	Category: All Categories	95457
Project: Eye Tracking Differences in People With Without Dyslexia When Reading			
School: Trivium Academy		Advisor: Layne Miles	

<b>Second Place:</b> Ivanna Nguyen	Division: J	Category: All Categories	102969
Project: Art and Emotional Response			
School: Harmony School Of Innovation Middle School (For		Advisor: Rhonda Reinicke	

# Fort Worth Regional Science Fair Winners Directory

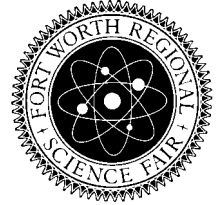


Award: **Fort Worth Area Psychological Association**

<b>First Place: Ishika Bindal</b>	Division: S	Category: All Categories	<b>79411</b>
Project: <b>Snap Out Of It: Using Blue Light to Lessen the Effects of Mind Wandering</b>			
School: <b>Colleyville Heritage High School</b>		Advisor: <b>Sonya Loughran</b>	

<b>Second Place: Maryam Azhar</b>	Division: S	Category: All Categories	<b>78540</b>
Project: <b>Polarized Peers: Anonymity and Its Effects on Individual Depolarization in Computer-Mediated Communication</b>			
School: <b>Colleyville Heritage High School</b>		Advisor: <b>Sonya Loughran</b>	

# Fort Worth Regional Science Fair Winners Directory

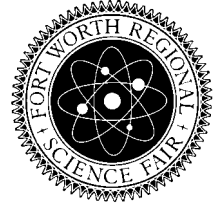


Award: **Fort Worth Audubon Society Conservation Award**

<b>First Place: Peighton Allred</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>100071</b>
<b>Project: IS GREY WATER GREEN?</b>			
<b>School: Children'S University</b>		<b>Advisor: Tabatha Knickerbocker</b>	

# Fort Worth Regional Science Fair

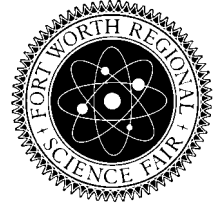
## Winners Directory



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

<b>First Place: Daniela Covarrubias</b>	<b>Division: S</b>	<b>Category: All Categories</b>	<b>75328</b>
<b>Project: Purification of Contaminated Water by Mycoremediation</b>			
<b>School: Summit International High School</b>		<b>Advisor: Omeshia Moffett</b>	
<b>First Place: Lily Huynh</b>	<b>Division: S</b>	<b>Category: All Categories</b>	<b>75328</b>
<b>Project: Purification of Contaminated Water by Mycoremediation</b>			
<b>School: Summit International High School</b>		<b>Advisor: Omeshia Moffett</b>	

# Fort Worth Regional Science Fair Winners Directory

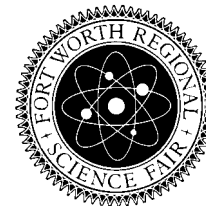


Award: **Institute of Electrical and Electronics Engineers, Fort Worth Sec**

<b>First Place: Christopher Ridad</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>102970</b>
<b>Project: Overpowered</b>			
<b>School: Harmony School Of Innovation Middle School (For</b>		<b>Advisor: Rhonda Reinicke</b>	

<b>Second Place: Garman Jow</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>102933</b>
<b>Project: Temperature Effects on Electrical Resistance</b>			
<b>School: Harmony School Of Innovation Middle School (For</b>		<b>Advisor: Rhonda Reinicke</b>	





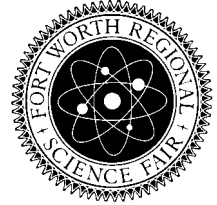
# Fort Worth Regional Science Fair

## Winners Directory

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

<b>First Place: Yasmin Wais</b>	Division: S	Category: Animal Sciences	75074
Project: <b>The Effect of Ethanol on Drosophila melanogaster and the Correlation to Alcohol Consumption in Homo sapiens</b>			
School: <b>Summit International High School</b>		Advisor: <b>Gabriel Diaz-Gregorich</b>	
<b>First Place: Grace Nguyen</b>	Division: S	Category: Animal Sciences	75074
Project: <b>The Effect of Ethanol on Drosophila melanogaster and the Correlation to Alcohol Consumption in Homo sapiens</b>			
School: <b>Summit International High School</b>		Advisor: <b>Gabriel Diaz-Gregorich</b>	
<b>First Place: Elhaam Shadali</b>	Division: S	Category: Animal Sciences	75074
Project: <b>The Effect of Ethanol on Drosophila melanogaster and the Correlation to Alcohol Consumption in Homo sapiens</b>			
School: <b>Summit International High School</b>		Advisor: <b>Gabriel Diaz-Gregorich</b>	
<b>First Place: Anna Su</b>	Division: S	Category: All Categories	98726
Project: <b>Investigation into Improving Microwave Power Transmission Systems through Novel Beamformer Designs</b>			
School: <b>Colleyville Heritage High School</b>		Advisor: <b>Sonya Loughran</b>	
<b>First Place: Taaseen Safyy</b>	Division: S	Category: All Categories	98726
Project: <b>Investigation into Improving Microwave Power Transmission Systems through Novel Beamformer Designs</b>			
School: <b>Colleyville Heritage High School</b>		Advisor: <b>Sonya Loughran</b>	
<b>Second Place: Shriya Veluri</b>	Division: S	Category: Animal Sciences	91506
Project: <b>Using the Wick Drug Delivery System to Study Vascular Malformations in Gallus domesticus</b>			
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>	
<b>Second Place: Rhythm Garg</b>	Division: S	Category: All Categories	92482
Project: <b>Diagnosing Autism with Machine Learning: Binary Classification for Eye Movement in Virtual Reality Environment</b>			
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>	

# Fort Worth Regional Science Fair Winners Directory



**Third Place: Gina Soto-Diaz**

Division: S Category: **Animal Sciences**

**102754**

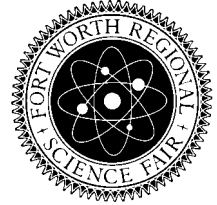
Project: **Baby on the Run!**

School: **Everman High School**

Advisor: **Angela Collinsworth**

# Fort Worth Regional Science Fair

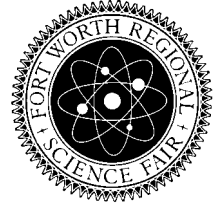
## Winners Directory



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

<b>First Place:</b>	<b>Julia Camacho</b>	<b>Division: S</b>	<b>Category: All Categories</b>	<b>91166</b>
<b>Project:</b>	<b>Predicting the Development of Secondary Central Nervous System Cancer Through Ensemble Learning Methods</b>			
<b>School:</b>	<b>Texas Academy Of Mathematics And Sciences H S</b>	<b>Advisor:</b>	<b>Samuel Earls</b>	

# Fort Worth Regional Science Fair Winners Directory

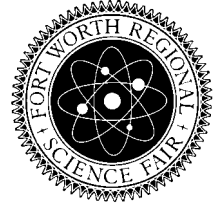


Award: **Lemelson Early Inventor Prize**

<b>First Place:</b> Trenton Scott	Division: J	Category: All Categories	103163
<b>Project:</b> In An Emergency Situation, Which Common Household Items Make The Most Effective Solar Oven?			
<b>School:</b> Sue Crouch Intermediate		<b>Advisor:</b> Chelsea Ruffin-Hawthorn	

# Fort Worth Regional Science Fair

## Winners Directory

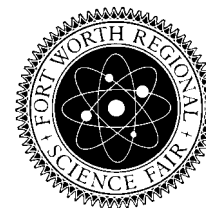


Award: **Lockheed Martin Aeronautics Company**

<b>First Place: Beverly Schluckwerder</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>102067</b>
Project: <b>Can you hear me?</b>			
School: <b>Harmony School Of Innovation Middle School (For</b>		Advisor: <b>Deborah Epps</b>	
<b>Second Place: Christopher Archer</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>88169</b>
Project: <b>Soaring High in Texas</b>			
School: <b>Liberty Christian School M S</b>		Advisor: <b>Loren Gallo</b>	
<b>Third Place: Alekzander Dzivak</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>102752</b>
Project: <b>Truss Tough Standard vs Modified</b>			
School: <b>St. John Apostle Catholic Middle School</b>		Advisor: <b>Kevin Hathaway</b>	

# Fort Worth Regional Science Fair

## Winners Directory



Award: **Lockheed Martin Aeronautics Company**

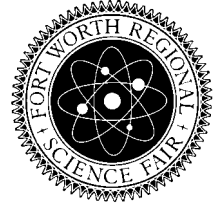
<b>First Place: Guangshun Chen</b>	Division: S	Category: All Categories	<b>101445</b>
Project: <b>Carbon Sequestration: New methods for Carbon Dioxide Extraction</b>			
School: <b>Harmony School Of Innovation High School (Fort</b>		Advisor: <b>Bilal Yildirim</b>	
<b>First Place: Michael Clark</b>	Division: S	Category: All Categories	<b>101445</b>
Project: <b>Carbon Sequestration: New methods for Carbon Dioxide Extraction</b>			
School: <b>Harmony School Of Innovation High School (Fort</b>		Advisor: <b>Bilal Yildirim</b>	

<b>Second Place: Eunyoung Kim</b>	Division: S	Category: All Categories	<b>91183</b>
Project: <b>Photothermal efficiency of silver nanoparticles in tissue stratification models: An investigation on the effect of nanoparticle size and polymeric substrate models on nanoparticle light to heat conversion efficiency</b>			
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>	

<b>Third Place: Aishwarya Mitra</b>	Division: S	Category: All Categories	<b>92965</b>
Project: <b>Analysis of Stress-Associated Transcription Factor GeneΓÇÖs Effects On Resistance of Arabidopsis thaliana to Myzus Persicae and Environmental Stresses</b>			
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>	
<b>Third Place: Apsara Mitra</b>	Division: S	Category: All Categories	<b>92965</b>
Project: <b>Analysis of Stress-Associated Transcription Factor GeneΓÇÖs Effects On Resistance of Arabidopsis thaliana to Myzus Persicae and Environmental Stresses</b>			
School: <b>Texas Academy Of Mathematics And Sciences H S</b>		Advisor: <b>Samuel Earls</b>	

# Fort Worth Regional Science Fair

## Winners Directory

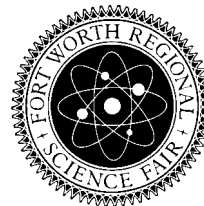


Award: **Lockheed Martin Leadership Association**

<b>First Place:</b> Sumodha Pokhrel	Division: <b>J</b>	Category: <b>All Categories</b>	<b>102253</b>
Project: <b>Fermentation of Saccharides by Yeast</b>			
School: <b>Harmony School Of Innovation Middle School (For</b>		Advisor: <b>Karen Moore</b>	
<b>Second Place:</b> Savanna Morris	Division: <b>J</b>	Category: <b>All Categories</b>	<b>72475</b>
Project: <b>C the Difference</b>			
School: <b>Liberty Christian School M S</b>		Advisor: <b>Loren Gallo</b>	
<b>Third Place:</b> Cristina Garcia	Division: <b>J</b>	Category: <b>All Categories</b>	<b>97947</b>
Project: <b>Can Recycled Plastics Create Bullet Resistant Glass</b>			
School: <b>Graham Junior High School</b>		Advisor: <b>Jeanne Richardson</b>	

# Fort Worth Regional Science Fair

## Winners Directory



Award: **Lockheed Martin Leadership Association**

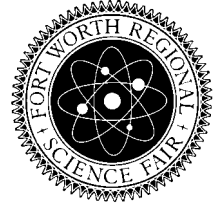
<b>First Place: Julia Camacho</b>	Division: S	Category: All Categories	<b>91166</b>
<b>Project: Predicting the Development of Secondary Central Nervous System Cancer Through Ensemble Learning Methods</b>			
<b>School: Texas Academy Of Mathematics And Sciences H S</b>		<b>Advisor: Samuel Earls</b>	

<b>Second Place: Haneul Hyun</b>	Division: S	Category: All Categories	<b>77767</b>
<b>Project: H2Go: A Construction and Analysis of a Novel Purification Device</b>			
<b>School: Colleyville Heritage High School</b>		<b>Advisor: Sonya Loughran</b>	

<b>Third Place: Sean Elliott</b>	Division: S	Category: All Categories	<b>97758</b>
<b>Project: A Scalable Network Model for Fisher-Eigen Evolutionary Processes</b>			
<b>School: North Texas Academy Of Higher Learning - High</b>		<b>Advisor: Linda Chisholm</b>	



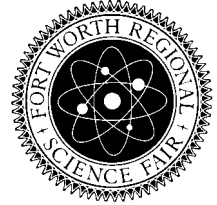
# Fort Worth Regional Science Fair Winners Directory



Award: **Mu Alpha Theta - ISEF**

<b>First Place: Sean Elliott</b>	<b>Division: S</b>	<b>Category: All Categories</b>	<b>97758</b>
<b>Project: A Scalable Network Model for Fisher-Eigen Evolutionary Processes</b>			
<b>School: North Texas Academy Of Higher Learning - High</b>		<b>Advisor: Linda Chisholm</b>	

# Fort Worth Regional Science Fair Winners Directory



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

**First Place: Dhriti Vasudevan**

Division: **S&** Category: **All Categories**

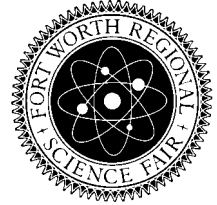
**97085**

Project: **Using Recycled and Natural Resources to Create a Water Mill that Generates Mechanical Energy**

School: **Trivium Academy**

Advisor: **Beth Frank**

# Fort Worth Regional Science Fair Winners Directory



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

**First Place: Alexander Aleman**

Division: **S&** Category: **All Categories**

**102623**

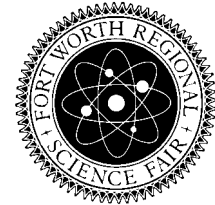
Project: **Hot Box**

School: **St. John Apostle Catholic Middle School**

Advisor: **Kevin Hathaway**

# Fort Worth Regional Science Fair

## Winners Directory



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

<b>First Place: Guangshun Chen</b>	<b>Division: S&amp; Category: All Categories</b>	<b>101445</b>
<b>Project: Carbon Sequestration: New methods for Carbon Dioxide Extraction</b>		
<b>School: Harmony School Of Innovation High School (Fort</b>	<b>Advisor: Bilal Yildirim</b>	
<b>First Place: Michael Clark</b>	<b>Division: S&amp; Category: All Categories</b>	<b>101445</b>
<b>Project: Carbon Sequestration: New methods for Carbon Dioxide Extraction</b>		
<b>School: Harmony School Of Innovation High School (Fort</b>	<b>Advisor: Bilal Yildirim</b>	

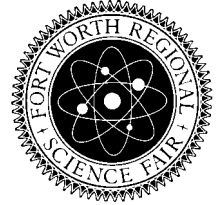
# Fort Worth Regional Science Fair Winners Directory



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

<b>First Place:</b> Ruhani Ahluwalia	Division: S	Category: All Categories	99807
<b>Project:</b> Reconstituted High-Density Lipoproteins for the Treatment of Pediatric Cancer			
<b>School:</b> Harmony School Of Innovation High School (Fort		<b>Advisor:</b> Bilal Yildirim	

# Fort Worth Regional Science Fair Winners Directory

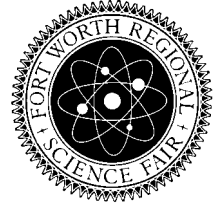


Award: **Society of Allied Weight Engineers**

<b>First Place: Alex Lee</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>103031</b>
<b>Project: Parachutes</b>			
<b>School: Harmony School Of Innovation Middle School (For</b>		<b>Advisor: Rhonda Reinicke</b>	

<b>Second Place: Jaxen Hill</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>103414</b>
<b>Project: how do battleships float</b>			
<b>School: David L. Walker Intermediate (5Th And 6Th Grad</b>		<b>Advisor: Bryan Michler</b>	

# Fort Worth Regional Science Fair Winners Directory



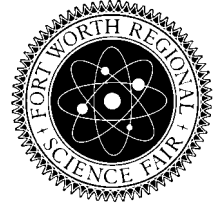
Award: **Society of Allied Weight Engineers**

<b>First Place:</b> Owen McGilberry	Division: S	Category: All Categories	102967
Project: Follow your nose!			
School: Northstar High School		Advisor: Erin Jezek	

<b>Second Place:</b> Wafiqah Zubair	Division: S	Category: All Categories	99556
Project: A Novel and Enhanced Approach to Spacecraft and Aircraft Launching Systems			
School: Harmony Academy - Euless High School		Advisor: Fuad Khan	

# Fort Worth Regional Science Fair

## Winners Directory



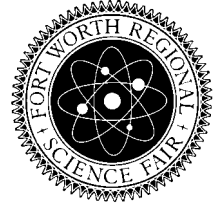
Award: **Society of Flight Test Engineers**

<b>First Place: Evan Wesly</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>95275</b>
<b>Project: The effects of wing and horizontal stabilizer design combinations in an airplane's take-off and landing</b>			
<b>School: Trivium Academy</b>		<b>Advisor: Layne Miles</b>	

<b>Second Place: Christopher Archer</b>	<b>Division: J</b>	<b>Category: All Categories</b>	<b>88169</b>
<b>Project: Soaring High in Texas</b>			
<b>School: Liberty Christian School M S</b>		<b>Advisor: Loren Gallo</b>	



# Fort Worth Regional Science Fair Winners Directory



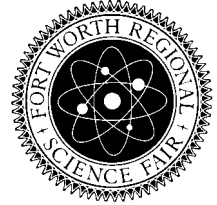
Award: **Society of Flight Test Engineers - Aerospace Achievement Award**

<b>First Place: Wafiqah Zubair</b>	Division: S	Category: All Categories	<b>99556</b>
Project: <b>A Novel and Enhanced Approach to Spacecraft and Aircraft Launching Systems</b>			
School: <b>Harmony Academy - Euless High School</b>		Advisor: <b>Fuad Khan</b>	

<b>Second Place: Court Putnam</b>	Division: S	Category: All Categories	<b>72960</b>
Project: <b>Hydrogen Combustion in Automobiles</b>			
School: <b>Grapevine High School</b>		Advisor: <b>Erin Smith</b>	

# Fort Worth Regional Science Fair

## Winners Directory

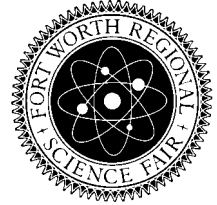


Award: **Tarrant County Veterinary Medical Association**

<b>First Place:</b> Caleb Johnson	Division: J	Category: All Categories	101444
Project: <b>Bearded Dragon Behaviors in Different Temperatures</b>			
School: <b>Children'S University</b>		Advisor: <b>Tabatha Knickerbocker</b>	

<b>Second Place:</b> Leilani Boggan	Division: J	Category: All Categories	103411
Project: <b>Animal Behavior On Cats</b>			
School: <b>David L. Walker Intermediate (5Th And 6Th Grad</b>		Advisor: <b>Bryan Michler</b>	

# Fort Worth Regional Science Fair Winners Directory

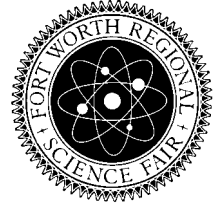


Award: **Tarrant County Veterinary Medical Association**

<b>First Place:</b> Gina Soto-Diaz	Division: S	Category: All Categories	102754
Project: <b>Baby on the Run!</b>			
School: <b>Everman High School</b>		Advisor: <b>Angela Collinsworth</b>	

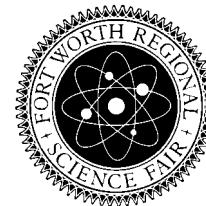
<b>Second Place:</b> Aamilah Chowdhury	Division: S	Category: All Categories	74338
Project: <b>Biomechanical Characterization of the Adult Porcine Cardiac Septum: A New Animal Model for Hypertrophic Cardiomyopathy</b>			
School: <b>Summit International High School</b>		Advisor: <b>Gabriel Diaz-Gregorich</b>	

# Fort Worth Regional Science Fair Winners Directory



Award: **The American Physiological Society**

<b>First Place:</b> <b>Zhuoran Wang</b>	<b>Division:</b> <b>S&amp;</b> <b>Category:</b> <b>All Categories</b>	<b>72590</b>
<b>Project:</b> <b>Regulation of SREBP-1 by Polyunsaturated Fatty Acids</b>		
<b>School:</b> <b>Colleyville Heritage High School</b>	<b>Advisor:</b> <b>Sonya Loughran</b>	

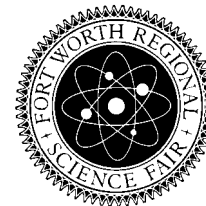


# Fort Worth Regional Science Fair

## Winners Directory

Award: **University of Texas at Arlington College of Science**

<b>First Place: Ty Carter</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>97578</b>
Project: <b>Reliable plastic made of milk.</b>			
School: <b>Graham Junior High School</b>		Advisor: <b>Jeanne Richardson</b>	
<b>First Place: Sean McCall</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>97578</b>
Project: <b>Reliable plastic made of milk.</b>			
School: <b>Graham Junior High School</b>		Advisor: <b>Jeanne Richardson</b>	
<b>Second Place: Nathaniel Foy</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>102937</b>
Project: <b>Air: the Electron Highway</b>			
School: <b>St. John Apostle Catholic Middle School</b>		Advisor: <b>Kevin Hathaway</b>	
<b>Third Place: Wilson Borry</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>96811</b>
Project: <b>How Does Bacteria React to Certain Chemicals?</b>			
School: <b>Trivium Academy</b>		Advisor: <b>Beth Frank</b>	



# Fort Worth Regional Science Fair

## Winners Directory

Award: **University of Texas at Arlington College of Science**

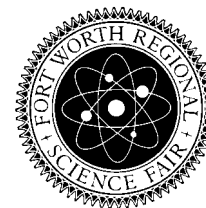
<b>First Place: Gabe Graves</b>	Division: S    Category: All Categories	<b>103090</b>
<b>Project: Improvement of Silicon Based Solar Cell Efficiency through Photon Down-conversion of Graphene Quantum Dots Synthesized from Citric Acid</b>		
School: <b>Liberty Christian High School</b>	Advisor: <b>Theresa Green</b>	

<b>Second Place: David Yue</b>	Division: S    Category: All Categories	<b>101272</b>
<b>Project: Stereoscopic X-Ray Reconstruction Algorithms for Preventing Radiation-Induced Cancer</b>		
School: <b>Texas Academy Of Mathematics And Sciences H S</b>	Advisor: <b>Samuel Earls</b>	

<b>Third Place: Eunyoung Kim</b>	Division: S    Category: All Categories	<b>91183</b>
<b>Project: Photothermal efficiency of silver nanoparticles in tissue stratification models: An investigation on the effect of nanoparticle size and polymeric substrate models on nanoparticle light to heat conversion efficiency</b>		
School: <b>Texas Academy Of Mathematics And Sciences H S</b>	Advisor: <b>Samuel Earls</b>	

# Fort Worth Regional Science Fair

## Winners Directory



Award: **US Air Force**

<b>First Place:</b> Eunyoung Kim	Division: <b>S&amp;</b> Category: <b>All Categories</b>	<b>91183</b>
<b>Project:</b> Photothermal efficiency of silver nanoparticles in tissue stratification models: An investigation on the effect of nanoparticle size and polymeric substrate models on nanoparticle light to heat conversion efficiency		
<b>School:</b> Texas Academy Of Mathematics And Sciences H S	<b>Advisor:</b> Samuel Earls	

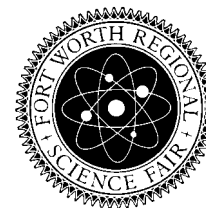
<b>First Place:</b> Ashar Khazi-Syed	Division: <b>S&amp;</b> Category: <b>All Categories</b>	<b>102391</b>
<b>Project:</b> Micro Meets Nano: Applying Carbon Nanotubes in Microbial Desalination Cells		
<b>School:</b> Harmony School Of Innovation High School (Fort	<b>Advisor:</b> Deena Ibrahim	

<b>First Place:</b> Gabe Graves	Division: <b>S&amp;</b> Category: <b>All Categories</b>	<b>103090</b>
<b>Project:</b> Improvement of Silicon Based Solar Cell Efficiency through Photon Down-conversion of Graphene Quantum Dots Synthesized from Citric Acid		
<b>School:</b> Liberty Christian High School	<b>Advisor:</b> Theresa Green	

<b>First Place:</b> Sean Elliott	Division: <b>S&amp;</b> Category: <b>All Categories</b>	<b>97758</b>
<b>Project:</b> A Scalable Network Model for Fisher-Eigen Evolutionary Processes		
<b>School:</b> North Texas Academy Of Higher Learning - High	<b>Advisor:</b> Linda Chisholm	

# Fort Worth Regional Science Fair

## Winners Directory



**Award: US Environmental Protection Agency**

<b>First Place: Daniela Covarrubias</b>	Division: S	Category: All Categories	<b>75328</b>
<b>Project: Purification of Contaminated Water by Mycoremediation</b>			

School: <b>Summit International High School</b>	Advisor: <b>Omeshia Moffett</b>
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<b>First Place: Lily Huynh</b>	Division: S	Category: All Categories	<b>75328</b>
<b>Project: Purification of Contaminated Water by Mycoremediation</b>			

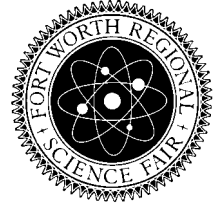
School: <b>Summit International High School</b>	Advisor: <b>Omeshia Moffett</b>
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<b>Second Place: Haneul Hyun</b>	Division: S	Category: All Categories	<b>77767</b>
<b>Project: H2Go: A Construction and Analysis of a Novel Purification Device</b>			

School: <b>Colleyville Heritage High School</b>	Advisor: <b>Sonya Loughran</b>
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# Fort Worth Regional Science Fair Winners Directory

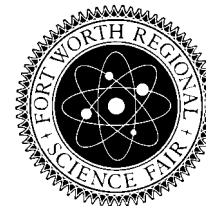


Award: **US Metric Association - ISEF**

<b>First Place:</b> Wafiqah Zubair	Division: <b>S&amp;</b> Category: <b>All Categories</b>	<b>99556</b>
Project: <b>A Novel and Enhanced Approach to Spacecraft and Aircraft Launching Systems</b>		
School: <b>Harmony Academy - Euless High School</b>	Advisor: <b>Fuad Khan</b>	

# Fort Worth Regional Science Fair

## Winners Directory



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

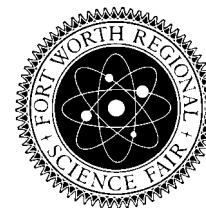
<b>First Place:</b> Dylan Northeim	Division: J	Category: All Categories	83838
Project: Got thrust-to-weight ratio?			
School: Liberty Christian School M S		Advisor: Loren Gallo	

<b>First Place:</b> Austin Johnson	Division: J	Category: All Categories	99306
Project: Which Metal Corrodes the Fastest?			
School: North Richland Middle School		Advisor: Shay Lawson	

<b>First Place:</b> Evan Wesly	Division: J	Category: All Categories	95275
Project: The effects of wing and horizontal stabilizer design combinations in an airplane's take-off and landing			
School: Trivium Academy		Advisor: Layne Miles	

# Fort Worth Regional Science Fair

## Winners Directory



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

<b>First Place: Nikhil Vicas</b>	Division: S    Category: All Categories	<b>89536</b>
<b>Project: Plasmon-Induced Circular Dichroism in Triskelion-Based Gold(I) Metastructures with Deep Learning for Novel Advances of Biochemistry Methods</b>		
<b>School: Texas Academy Of Mathematics And Sciences H S</b>		<b>Advisor: Samuel Earls</b>

<b>First Place: Jonathan Lu</b>	Division: S    Category: All Categories	<b>74348</b>
<b>Project: Dynamic Structural Rearrangements of Active Spinner Particles in Self-Assembling Materials</b>		
<b>School: Texas Academy Of Mathematics And Sciences H S</b>		<b>Advisor: Samuel Earls</b>

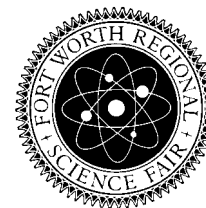
<b>First Place: Aidan Chavez</b>	Division: S    Category: All Categories	<b>79299</b>
<b>Project: A Quiet Place: Analyzing Sustainable Sound-Absorbing Materials for Populations in Developing Countries</b>		
<b>School: Colleyville Heritage High School</b>		<b>Advisor: Sonya Loughran</b>

<b>First Place: Gabe Graves</b>	Division: S    Category: All Categories	<b>103090</b>
<b>Project: Improvement of Silicon Based Solar Cell Efficiency through Photon Down-conversion of Graphene Quantum Dots Synthesized from Citric Acid</b>		
<b>School: Liberty Christian High School</b>		<b>Advisor: Theresa Green</b>

<b>First Place: Jesse Becker</b>	Division: S    Category: All Categories	<b>101738</b>
<b>Project: How Vibration Affects the Friction Acting on a Rotating Rod</b>		
<b>School: Ican Homeschool (Hs)</b>		<b>Advisor: Kim Brokenshire</b>

# Fort Worth Regional Science Fair

## Winners Directory

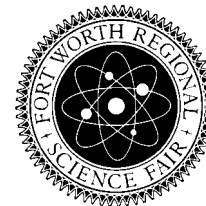


Award: **Water Environment Association of Texas**

<b>First Place: Nolan Casbeer</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>97760</b>
Project: <b>Electrolyte Challenge</b>			
School: <b>Graham Junior High School</b>		Advisor: <b>James Wyatt</b>	
<b>Second Place: Gabriela Aguirre</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>75092</b>
Project: <b>Is Rain as Safe as We Thought?</b>			
School: <b>St. Elizabeth Ann Seton Catholic Middle School</b>		Advisor: <b>Katherine Arnold</b>	
<b>Second Place: Regina Garmendia</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>75092</b>
Project: <b>Is Rain as Safe as We Thought?</b>			
School: <b>St. Elizabeth Ann Seton Catholic Middle School</b>		Advisor: <b>Katherine Arnold</b>	
<b>Third Place: Adriana Ramirez</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>102810</b>
Project: <b>Algae vs. Temperature</b>			
School: <b>Harmony School Of Innovation Middle School (For</b>		Advisor: <b>Rhonda Reinicke</b>	
<b>Third Place: Kaylee Vo</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>102810</b>
Project: <b>Algae vs. Temperature</b>			
School: <b>Harmony School Of Innovation Middle School (For</b>		Advisor: <b>Rhonda Reinicke</b>	
<b>Third Place: Erika Feller</b>	Division: <b>J</b>	Category: <b>All Categories</b>	<b>102810</b>
Project: <b>Algae vs. Temperature</b>			
School: <b>Harmony School Of Innovation Middle School (For</b>		Advisor: <b>Rhonda Reinicke</b>	

# Fort Worth Regional Science Fair

## Winners Directory



Award: **Water Environment Association of Texas**

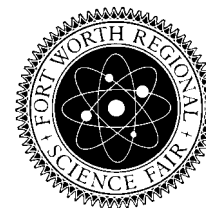
<b>First Place: Haneul Hyun</b>	Division: S    Category: All Categories	77767
Project: <b>H2Go: A Construction and Analysis of a Novel Purification Device</b>		
School: <b>Colleyville Heritage High School</b>	Advisor: <b>Sonya Loughran</b>	

<b>Second Place: Ashar Khazi-Syed</b>	Division: S    Category: All Categories	102391
Project: <b>Micro Meets Nano: Applying Carbon Nanotubes in Microbial Desalination Cells</b>		
School: <b>Harmony School Of Innovation High School (Fort</b>	Advisor: <b>Deena Ibrahim</b>	

<b>Third Place: Daniela Covarrubias</b>	Division: S    Category: All Categories	75328
Project: <b>Purification of Contaminated Water by Mycoremediation</b>		
School: <b>Summit International High School</b>	Advisor: <b>Omeshia Moffett</b>	
<b>Third Place: Lily Huynh</b>	Division: S    Category: All Categories	75328
Project: <b>Purification of Contaminated Water by Mycoremediation</b>		
School: <b>Summit International High School</b>	Advisor: <b>Omeshia Moffett</b>	

# Fort Worth Regional Science Fair

## Winners Directory



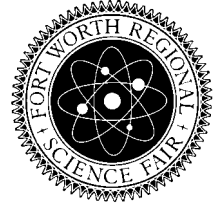
**Award: Water Environment Association Stockholm Junior Water Prize - ISEF**

<b>First Place: Haneul Hyun</b>	Division: S	Category: All Categories	77767
<b>Project: H2Go: A Construction and Analysis of a Novel Purification Device</b>			
<b>School: Colleyville Heritage High School</b>		<b>Advisor: Sonya Loughran</b>	

<b>Second Place: Ashar Khazi-Syed</b>	Division: S	Category: All Categories	102391
<b>Project: Micro Meets Nano: Applying Carbon Nanotubes in Microbial Desalination Cells</b>			
<b>School: Harmony School Of Innovation High School (Fort</b>		<b>Advisor: Deena Ibrahim</b>	

<b>Third Place: Daniela Covarrubias</b>	Division: S	Category: All Categories	75328
<b>Project: Purification of Contaminated Water by Mycoremediation</b>			
<b>School: Summit International High School</b>		<b>Advisor: Omeshia Moffett</b>	
<b>Third Place: Lily Huynh</b>	Division: S	Category: All Categories	75328
<b>Project: Purification of Contaminated Water by Mycoremediation</b>			
<b>School: Summit International High School</b>		<b>Advisor: Omeshia Moffett</b>	

# Fort Worth Regional Science Fair Winners Directory



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

<b>First Place: Colin Wei</b>	Division: S	Category: All Categories	<b>79280</b>
Project: <b>A Brighter Future: Improving the Efficiency of Chlorophyll-Sensitized Solar Cells to Create Effective Solar Energy Systems.</b>			
School: <b>Colleyville Heritage High School</b>		Advisor: <b>Sonya Loughran</b>	
<b>First Place: Noah Francis</b>	Division: S	Category: All Categories	<b>79280</b>
Project: <b>A Brighter Future: Improving the Efficiency of Chlorophyll-Sensitized Solar Cells to Create Effective Solar Energy Systems.</b>			
School: <b>Colleyville Heritage High School</b>		Advisor: <b>Sonya Loughran</b>	