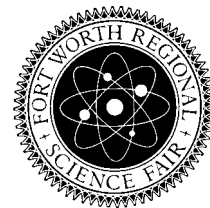


Fort Worth Regional Science Fair

Winners Directory

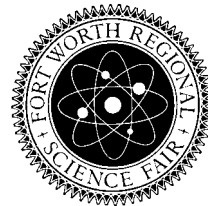


Award: **American Chemical Society**

First Place: Liesl Krone	Division: S&	Category: All Categories	35479
Project: Analyzing Spent Grains as a Sustainable Source of Feed			
School Granbury High School	Advisor Kayli Morris		

Fort Worth Regional Science Fair

Winners Directory

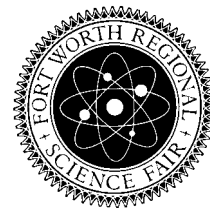


Award: **American Industrial Hygiene Association N TX Section**

First Place: Kate Morton	Division: J	Category: All Categories	37811
Project: The Impact of Tree Cover on PM2.5 Levels			
School Holy Family Catholic MS	Advisor Kimberly Pierce		

Fort Worth Regional Science Fair

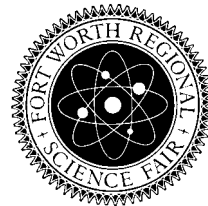
Winners Directory



Award: **American Industrial Hygiene Association N TX Section**

First Place: Michael Shen	Division: S	Category: All Categories	28010
Project: Modeling the Spread of Epidemics through Contact Networks			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		
First Place: Billy Qian	Division: S	Category: All Categories	28010
Project: Modeling the Spread of Epidemics through Contact Networks			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		

Fort Worth Regional Science Fair Winners Directory



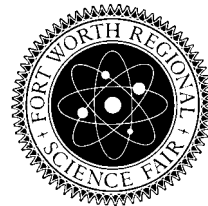
Award: **American Meteorological Society - ISEF**

Second Place: Aamilah Chowdhury	Division: S& Category: All Categories	35045
Project: How Color Can Save Lives		
School Summit International High School	Advisor Kiara Hervey	

First Place: Ajay Panda	Division: S& Category: All Categories	28315
Project: Eco-morphology of Trinity River		
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls	

Fort Worth Regional Science Fair

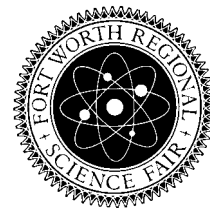
Winners Directory



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

Second Place: Shivani Patel	Division: J	Category: All Categories	35431
Project: Acid Rain's Effect on Aquatic Life			
School Harmony Science Academy Carrollton MS		Advisor Thanh Nguyen	

First Place: Tejaswi Thapa	Division: J	Category: All Categories	33878
Project: Are Things Heating Up? Modeling Earth's Greenhouse Gases			
School TAMS Middle School Aspire Fair		Advisor Russ Stukel	



Fort Worth Regional Science Fair

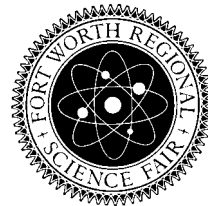
Winners Directory

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

Second Place: Amber Lu	Division: S	Category: All Categories	25805
Project: Signed Path Matrices and Oriented Hypergraphic Generalizations			
School Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls	

First Place: Kelly Becker	Division: S	Category: All Categories	32587
Project: Wind Turbine Blades Effect On Energy Output			
School Liberty Christian High School		Advisor Jamie Michalek	
First Place: Kendall Jones	Division: S	Category: All Categories	32587
Project: Wind Turbine Blades Effect On Energy Output			
School Liberty Christian High School		Advisor Jamie Michalek	

Fort Worth Regional Science Fair Winners Directory



Award: **American Psychological Association - ISEF**

First Place: Ainsley McDonald-Boyer

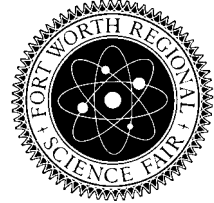
Division: **S&** Category: **All Categories**

32607

Project: **Diagnostic Test for Dyslexia**

School **Azle High School**

Advisor **Monica Amyett**



Fort Worth Regional Science Fair

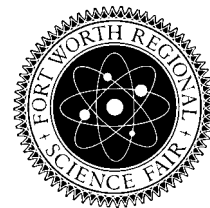
Winners Directory

Award: **American Society for Quality, Greater FW Section 1416**

Third Place: Thomas Holt	Division: J	Category: All Categories	35848
Project: Cracking the Code - How safe is your password?			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	

Second Place: Blaine McCoy	Division: J	Category: All Categories	36246
Project: Which Has Most Efficacy on Leaf Count Production of Basil Plants: Miracle Gro Potting Soil with Tap Water or Miracle Gro Potting Soil with Epsom Salt or Miracle Gro Potting Soil with Miracle Gro Liquefeed			
School Christian Cottage Prep Middle School		Advisor Teri Willis	

First Place: Averie Coffman	Division: J	Category: All Categories	33094
Project: What's in your drink?			
School Granbury Middle School		Advisor Elizabeth Parks	

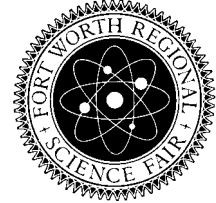


Fort Worth Regional Science Fair

Winners Directory

Award: **American Society for Quality, Greater FW Section 1416**

Third Place: Ashwin Kumar	Division: S	Category: All Categories	27920
Project: RSM model optimization of the laser processing parameters on Ti-6Al-4V alloys to improve bio-compatibility			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		
Second Place: Abhishek Shah	Division: S	Category: All Categories	35265
Project: The effects of Glucose on the Behavior and Nervous System of C. elegans			
School John H Guyer High School	Advisor Brandy Guilford		
First Place: Afeefah Khazi-Syed	Division: S	Category: All Categories	36177
Project: Nano Today, Huge Tomorrow: Improving Antibiotic Drug Delivery for S. epidermidis Strains with a Novel CNT Dispersion			
School Harmony School Of Innovation Fort Worth (HS)	Advisor Omer Dogan		



Fort Worth Regional Science Fair

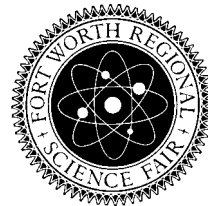
Winners Directory

Award: ASM International - DFW Chapter

Third Place: Blaine McCoy	Division: S& Category: All Categories	36246
Project: Which Has Most Efficacy on Leaf Count Production of Basil Plants: Miracle Gro Potting Soil with Tap Water or Miracle Gro Potting Soil with Epsom Salt or Miracle Gro Potting Soil with Miracle Gro Liquafeed		
School Christian Cottage Prep Middle School	Advisor Teri Willis	
Second Place: Rory Sumien	Division: S& Category: All Categories	36420
Project: FROZEN FUN		
School Loflin Middle School	Advisor Toni Worden	
First Place: Ashwin Kumar	Division: S& Category: All Categories	27920
Project: RSM model optimization of the laser processing parameters on Ti-6Al-4V alloys to improve bio-compatibility		
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls	

Fort Worth Regional Science Fair

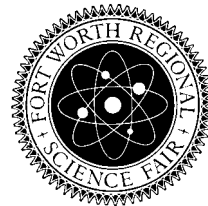
Winners Directory



Award: **ASM International Materials Education Foundation**

First Place: Ashwin Kumar	Division: S& Category: All Categories	27920
Project: RSM model optimization of the laser processing parameters on Ti-6Al-4V alloys to improve bio-compatibility		
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls	

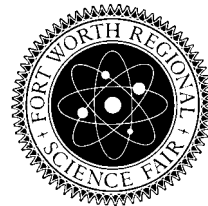
Fort Worth Regional Science Fair Winners Directory



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

First Place: Lauren Edwards	Division: S& Category: All Categories	15232
Project: Vegetables or Dinosaurs? Comparing the fuel efficiencies of biofuels and petroleum		
School Colleyville Heritage High School	Advisor Sonya Loughran	

Fort Worth Regional Science Fair Winners Directory

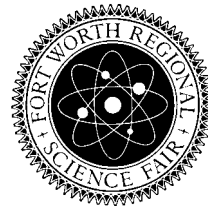


Award: **ASU Walton Sustainability Solutions Initiatives - ISEF**

Second Place: Liesl Krone	Division: S&	Category: All Categories	35479
Project: Analyzing Spent Grains as a Sustainable Source of Feed			
School Granbury High School	Advisor Kayli Morris		

First Place: Stella Yanda	Division: S&	Category: All Categories	32815
Project: Self Sustainable, Utopian & Carbon Neutral Cities			
School Azle High School	Advisor Monica Amyett		

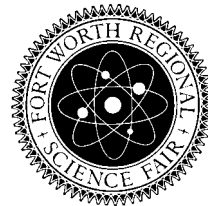
Fort Worth Regional Science Fair Winners Directory



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

First Place: Ria Upreti	Division: S& Category: All Categories	15411
Project: Burning Up: The Effects of Multiple Mirror Alignments on Heat Production		
School Colleyville Heritage High School	Advisor Sonya Loughran	

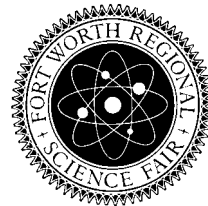
Fort Worth Regional Science Fair Winners Directory



Award: **Delbert E. Lawry Award**

First Place: Ashleigh Duke	Division: J	Category: All Categories	37698
Project: Where'd You Go Sugar?			
School North Joshua Elementary		Advisor Patti Jones	

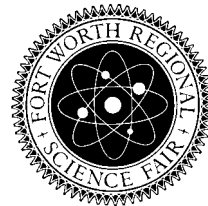
Fort Worth Regional Science Fair Winners Directory



Award: **Delbert E. Lawry Award**

First Place: Hunter Meroney	Division: S	Category: All Categories	31452
Project: THERMAL SHOCK and the effects on aquatic plants			
School Granbury High School		Advisor Kayli Morris	

Fort Worth Regional Science Fair Winners Directory

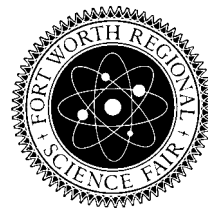


Award: **Fort Worth Area Psychological Association**

Second Place: Avery Thomas	Division: J	Category: All Categories	30838
Project: Does Smell Ring a Bell?			
School Acton Middle School		Advisor Scott Carpenter	

First Place: Nolan Cox	Division: J	Category: All Categories	35382
Project: Chirography versus Digital Note-taking: An Experimental Analysis			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Johnny Ha	

Fort Worth Regional Science Fair Winners Directory



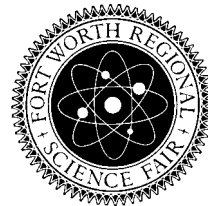
Award: **Fort Worth Area Psychological Association**

Second Place: Craig Smith	Division: S	Category: All Categories	37353
Project: How's Your Dexterity?			
School Harmony School Of Innovation Fort Worth (HS)		Advisor Omer Dogan	

First Place: Kamil Chandani	Division: S	Category: All Categories	15230
Project: Trial by Style: A Study of Social Stigmas based on Appearance			
School Colleyville Heritage High School		Advisor Sonya Loughran	

Fort Worth Regional Science Fair

Winners Directory

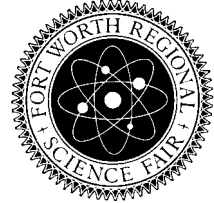


Award: **Fort Worth Audubon Society Conservation Award**

First Place: Ben Westbrook	Division: J	Category: All Categories	39026
Project: Keystone....Dominoes? A Study of the Centrochelys Sulcate			
School North Texas Academy of Higher Learning - MS		Advisor Linda Chisholm	

Fort Worth Regional Science Fair

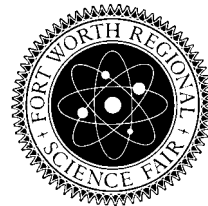
Winners Directory



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

First Place: Taylor-Jade Higgins	Division: S	Category: All Categories	33651
Project: Veto the Mosquito			
School Summit International High School		Advisor Gary Nicholson	
First Place: Mercy Obanigba	Division: S	Category: All Categories	33651
Project: Veto the Mosquito			
School Summit International High School		Advisor Gary Nicholson	
First Place: Brittany Chapman	Division: S	Category: All Categories	33651
Project: Veto the Mosquito			
School Summit International High School		Advisor Gary Nicholson	

Fort Worth Regional Science Fair Winners Directory

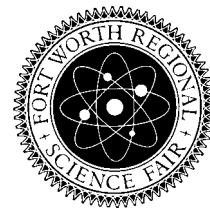


Award: **HACEMOS**

First Place: Emily Padron	Division: J	Category: All Categories	14930
Project: Chemical Analysis of Water Samples			
School ST. Elizabeth Ann Seton Catholic Middle School		Advisor Katherine Arnold	

Fort Worth Regional Science Fair

Winners Directory

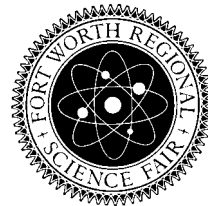


Award: **HACEMOS**

First Place: Kambryn Vera	Division: S	Category: All Categories	32590
Project: C the Difference			
School Liberty Christian High School		Advisor Jamie Michalek	
First Place: Mary Harshfield	Division: S	Category: All Categories	32590
Project: C the Difference			
School Liberty Christian High School		Advisor Jamie Michalek	
First Place: Lindsay Tito	Division: S	Category: All Categories	32590
Project: C the Difference			
School Liberty Christian High School		Advisor Jamie Michalek	

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Winners Directory



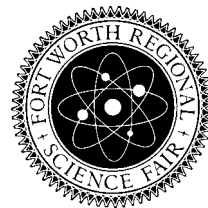
Award: **Institute of Electrical and Electronics Engrs, FW Section**

Second Place: Malachi Lewis	Division: J	Category: All Categories	37265
Project: Testing material interference of radio active particles			
School Lewis Home School Middle School		Advisor Melanie Lewis	

First Place: Irene Strzhemechny	Division: J	Category: All Categories	37454
Project: Does the function in the logistic equation change the Feigenbaum portrait?			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	

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Winners Directory

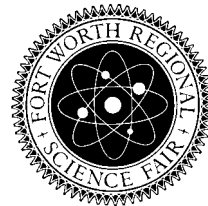


Award: **Institute of Electrical and Electronics Engrs, FW Section**

Second Place: Nathan Fripp	Division: S	Category: All Categories	38622
Project: Triboelectric Balance Sensor			
School Harmony Science Academy Carrollton HS		Advisor Manisha Singh	

First Place: Sarah Zou	Division: S	Category: All Categories	27213
Project: Sustainable Activated Carbon in Supercapacitors			
School Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls	

Fort Worth Regional Science Fair Winners Directory

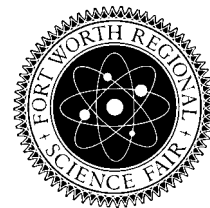


Award: **Intel Excellence in Computer Science - ISEF**

First Place: Michelle Yakubek	Division: S	Category: All Categories	27933
Project: Learning to Parse a Lower-Resource Language, Meitei, through Alignment with a Higher-Resource Language, Burmese			
School Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory



Award: **Lockheed Martin Aeronautics Company**

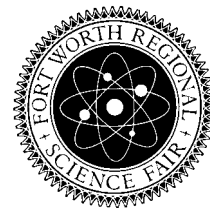
Third Place: Kate Morton	Division: J	Category: All Categories	37811
Project: The Impact of Tree Cover on PM2.5 Levels			
School Holy Family Catholic MS		Advisor Kimberly Pierce	

Second Place: Jack Hooper	Division: J	Category: All Categories	15180
Project: Nailed It!			
School Liberty Christian School		Advisor Aaron Mouser	

First Place: Ruhani Ahluwalia	Division: J	Category: All Categories	35923
Project: Trojan Horse Delivers Lapatinib to Cancer Cells While It Limits Damage to Normal Cells			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	

Fort Worth Regional Science Fair

Winners Directory



Award: **Lockheed Martin Aeronautics Company**

Third Place: Abhishek Mohan	Division: S	Category: All Categories	25885
Project: Development of a Rapid, Reusable Sensing Mechanism for the Selective Identification of Heavy Metal Contaminants in Water: An Implementation of Functionalized Isotropic Silver Nanoparticles for Toxic Ion			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		

Second Place: Amber Lu	Division: S	Category: All Categories	25805
Project: Signed Path Matrices and Oriented Hypergraphic Generalizations			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		

First Place: Jagath Vytheeswaran	Division: S	Category: All Categories	27401
Project: Effects of Beta-Amyloid on Neuronal Primary Cilia in Alzheimer's Brain			

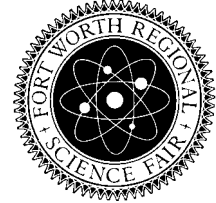
School **Texas Academy of Mathematics and Sciences HS** Advisor **Samuel Earls**

First Place: Carolyn Huynh	Division: S	Category: All Categories	27401
Project: Effects of Beta-Amyloid on Neuronal Primary Cilia in Alzheimer's Brain			

School **Texas Academy of Mathematics and Sciences HS** Advisor **Samuel Earls**

First Place: Maya Xia	Division: S	Category: All Categories	27401
Project: Effects of Beta-Amyloid on Neuronal Primary Cilia in Alzheimer's Brain			

School **Texas Academy of Mathematics and Sciences HS** Advisor **Samuel Earls**

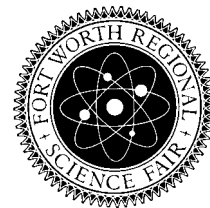


Fort Worth Regional Science Fair

Winners Directory

Award: **Lockheed Martin Leadership Association**

Third Place: Austin Graves	Division: J	Category: All Categories	15206
Project: Line-X to the Test			
School Liberty Christian School		Advisor Aaron Mouser	
Second Place: Scout Skaggs	Division: J	Category: All Categories	34696
Project: Rx Success			
School Acton Middle School		Advisor Scott Carpenter	
Second Place: Marissa Ward	Division: J	Category: All Categories	34696
Project: Rx Success			
School Acton Middle School		Advisor Scott Carpenter	
First Place: Thomas Holt	Division: J	Category: All Categories	35848
Project: Cracking the Code - How safe is your password?			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	



Fort Worth Regional Science Fair

Winners Directory

Award: **Lockheed Martin Leadership Association**

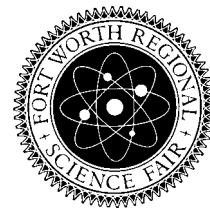
Third Place: Stella Yanda	Division: S	Category: All Categories	32815
Project: Self Sustainable, Utopian & Carbon Neutral Cities			
School Azle High School	Advisor Monica Amyett		

Second Place: Liesl Krone	Division: S	Category: All Categories	35479
Project: Analyzing Spent Grains as a Sustainable Source of Feed			
School Granbury High School	Advisor Kayli Morris		

First Place: Craig Smith	Division: S	Category: All Categories	37353
Project: How's Your Dexterity?			
School Harmony School Of Innovation Fort Worth (HS)	Advisor Omer Dogan		

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Winners Directory

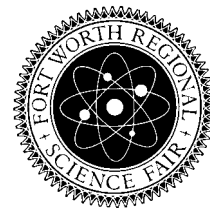


Award: **Miles Foundation**

Third Place: Nikhil Thomas	Division: J	Category: All Categories	34636
Project: Learning Rubik's Cube Solver			
School Harmony Science Academy Carrollton MS		Advisor Sukran Cakiroglu	
Second Place: Shivani Patel	Division: J	Category: All Categories	35431
Project: Acid Rain's Effect on Aquatic Life			
School Harmony Science Academy Carrollton MS		Advisor Thanh Nguyen	
First Place: Carmina Ghandi	Division: J	Category: All Categories	38259
Project: Gel Electrophoresis Chamber			
School Harmony Science Academy Carrollton MS		Advisor Thanh Nguyen	

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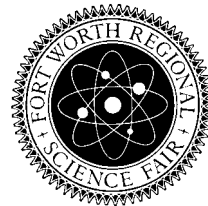
Winners Directory



Award: Miles Foundation

Third Place: Ainsley McDonald-Boyer	Division: S	Category: All Categories	32607
Project: Diagnostic Test for Dyslexia			
School Azle High School	Advisor Monica Amyett		
Second Place: Abhishek Shah	Division: S	Category: All Categories	35265
Project: The effects of Glucose on the Behavior and Nervous System of C. elegans			
School John H Guyer High School	Advisor Brandy Guilford		
First Place: Chloe Ayers	Division: S	Category: All Categories	16143
Project: Foiled: Testing Lift and Drag on Airfoils in a Wind Tunnel			
School Colleyville Heritage High School	Advisor Sonya Loughran		

Fort Worth Regional Science Fair Winners Directory

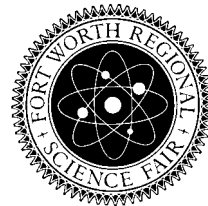


Award: **Mu Alpha Theta - ISEF**

First Place: Amber Lu	Division: S	Category: All Categories	25805
Project: Signed Path Matrices and Oriented Hypergraphic Generalizations			
School Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory

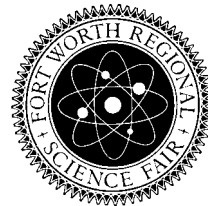


Award: **NASA Earth System Science Award - ISEF**

First Place: Ajay Panda	Division: S	Category: All Categories	28315
Project: Eco-morphology of Trinity River			
School Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls	

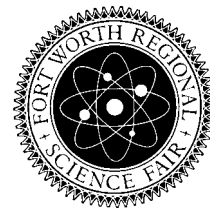
Fort Worth Regional Science Fair

Winners Directory



Award: **National Oceanic & Atmospheric Admin. - US Dept of Commerce**

First Place: Kate Morton	Division: S& Category: All Categories	37811
Project: The Impact of Tree Cover on PM2.5 Levels		
School Holy Family Catholic MS	Advisor Kimberly Pierce	



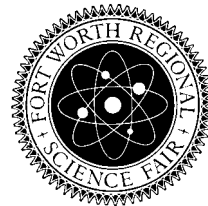
Fort Worth Regional Science Fair

Winners Directory

Award: **RadioShack Corporation Award**

Third Place: Jonathan Harty	Division: S	Category: All Categories	15231
Project: Here Comes The Sun: Using Water Vapor Pressure To Allow For The Tracking Of The Sun By Solar Panels Without The Use Of An Electronic System			
School Colleyville Heritage High School		Advisor Sonya Loughran	
Second Place: Matthew Jones	Division: S	Category: All Categories	32487
Project: Make Your Own Low-Power AM Radio Transmitter			
School Liberty Christian High School		Advisor Jamie Michalek	
Second Place: Talib Kante	Division: S	Category: All Categories	32487
Project: Make Your Own Low-Power AM Radio Transmitter			
School Liberty Christian High School		Advisor Jamie Michalek	
Second Place: Connor Menckhoff	Division: S	Category: All Categories	32487
Project: Make Your Own Low-Power AM Radio Transmitter			
School Liberty Christian High School		Advisor Jamie Michalek	
First Place: Ronaldo Flores	Division: S	Category: All Categories	37937
Project: Tesla Coil			
School Everman High School		Advisor Angela Collinsworth	

Fort Worth Regional Science Fair Winners Directory

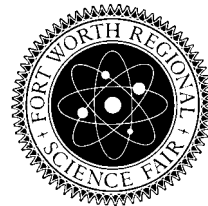


Award: **Ricoh Sustainable Development Award - ISEF**

First Place: Sarah Zou	Division: S& Category: All Categories	27213
Project: Sustainable Activated Carbon in Supercapacitors		
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls	

Fort Worth Regional Science Fair

Winners Directory

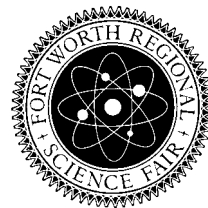


Award: **Sigma Kappa - Marge Barnes Award in Medicine**

First Place: Alex Wu	Division: S	Category: All Categories	29220
Project: A Noninvasive Glucose Biosensor Based on High Quality 2-D WS2 Nanoparticles for in situ perspiration analysis			
School	Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls

Fort Worth Regional Science Fair

Winners Directory

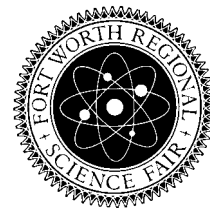


Award: **Society of Allied Weight Engineers**

Second Place: Jackson LeCluyse	Division: J	Category: All Categories	33589
Project: Does Density = Heathy?			
School Acton Middle School	Advisor Scott Carpenter		
Second Place: Drew Henderson	Division: J	Category: All Categories	33589
Project: Does Density = Heathy?			
School Acton Middle School	Advisor Scott Carpenter		
First Place: Jack Hooper	Division: J	Category: All Categories	15180
Project: Nailed It!			
School Liberty Christian School	Advisor Aaron Mouser		

Fort Worth Regional Science Fair

Winners Directory



Award: **Society of Allied Weight Engineers**

Second Place: Kelly Becker	Division: S	Category: All Categories	32587
Project: Wind Turbine Blades Effect On Energy Output			

School Liberty Christian High School	Advisor Jamie Michalek
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Second Place: Kendall Jones	Division: S	Category: All Categories	32587
Project: Wind Turbine Blades Effect On Energy Output			

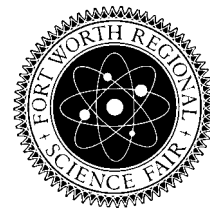
School Liberty Christian High School	Advisor Jamie Michalek
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First Place: Sahil Patel	Division: S	Category: All Categories	28318
Project: The Synthesis of Novel Thermally Conductive, yet Electrically Insulative Ceramic Coatings			

School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls
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Fort Worth Regional Science Fair

Winners Directory

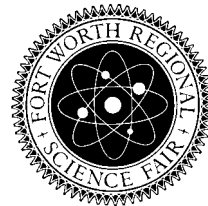


Award: **Society of Flight Test Engineers**

Second Place: Aleena Teresa	Division: J	Category: All Categories	33277
Project: Rocket Science 2.0			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	
Second Place: Kritisha Sharma	Division: J	Category: All Categories	33277
Project: Rocket Science 2.0			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	
First Place: Rajveer Sagoo	Division: J	Category: All Categories	36994
Project: Fuse Rockets 2			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Johnny Ha	

Fort Worth Regional Science Fair

Winners Directory



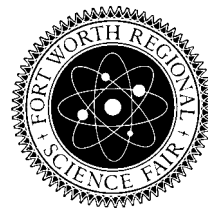
Award: **Society of Flight Test Engineers**

Second Place: Sahil Patel	Division: S	Category: All Categories	28318
Project: The Synthesis of Novel Thermally Conductive, yet Electrically Insulative Ceramic Coatings			
School Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls	

First Place: Chloe Ayers	Division: S	Category: All Categories	16143
Project: Foiled: Testing Lift and Drag on Airfoils in a Wind Tunnel			
School Colleyville Heritage High School		Advisor Sonya Loughran	

Fort Worth Regional Science Fair

Winners Directory



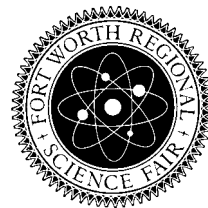
Award: **Tarrant County Veterinary Medical Association**

Second Place: Ben Westbrook	Division: J	Category: All Categories	39026
Project: Keystone....Dominoes? A Study of the Centrochelys Sulcate			
School North Texas Academy of Higher Learning - MS		Advisor Linda Chisholm	

First Place: Pietra deBoer	Division: J	Category: All Categories	36636
Project: Which is More Effective, Wool Synthetic or Neoprene Saddle Pads, at Reducing Under Saddle Pad Temperature for Hoses			
School Christian Cottage Prep Middle School		Advisor Teri Willis	

Fort Worth Regional Science Fair

Winners Directory



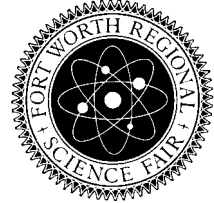
Award: **Tarrant County Veterinary Medical Association**

Second Place: Rebecca Fripp	Division: S Category: All Categories	39019
Project: Extroverts and Introverts in Black Rhinoceros (Diceros Bicornis) Calves		
School Harmony Science Academy Carrollton HS	Advisor Manisha Singh	

First Place: Blake Pope	Division: S Category: All Categories	22366
Project: De Novo Assembly and Characterization of Holbrookia Transcriptome		
School Summit International High School	Advisor Omeshia Moffett	
First Place: Jose Alcala	Division: S Category: All Categories	22366
Project: De Novo Assembly and Characterization of Holbrookia Transcriptome		
School Summit International High School	Advisor Gary Nicholson	

Fort Worth Regional Science Fair

Winners Directory

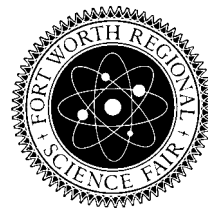


Award: **US Air Force**

Fourth Place: Jonathan Harty	Division: S& Category: All Categories	15231
Project: Here Comes The Sun: Using Water Vapor Pressure To Allow For The Tracking Of The Sun By Solar Panels Without The Use Of An Electronic System		
School Colleyville Heritage High School	Advisor Sonya Loughran	
Third Place: Raphael Cacho	Division: S& Category: All Categories	37197
Project: Powering the future with nanoparticles		
School Harmony School Of Innovation Fort Worth (MS)	Advisor Johnny Ha	
Second Place: Chloe Ayers	Division: S& Category: All Categories	16143
Project: Foiled: Testing Lift and Drag on Airfoils in a Wind Tunnel		
School Colleyville Heritage High School	Advisor Sonya Loughran	
First Place: Ava Terrell	Division: S& Category: All Categories	39118
Project: Diamagnetic Strength of Graphite vs. Other Materials		
School Holy Family Catholic MS	Advisor Kimberly Pierce	

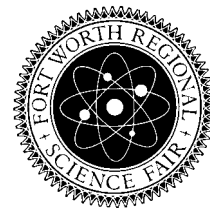
Fort Worth Regional Science Fair

Winners Directory



Award: **US Environmental Protection Agency**

Third Place: Shivani Patel	Division: J	Category: All Categories	35431
Project: Acid Rain's Effect on Aquatic Life			
School Harmony Science Academy Carrollton MS		Advisor Thanh Nguyen	
Second Place: Kira Ekupe	Division: J	Category: All Categories	37833
Project: AgriFuture			
School Children's University		Advisor Tabatha Knickerbocker	
First Place: Tatiana Streidl	Division: J	Category: All Categories	38305
Project: Transference Terror: Are You Feeding Your Family VOCs?			
School North Texas Academy of Higher Learning - MS		Advisor Linda Chisholm	



Fort Worth Regional Science Fair

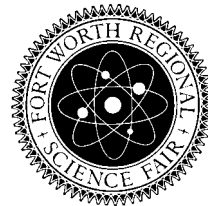
Winners Directory

Award: **US Environmental Protection Agency**

Third Place: Kelly Becker	Division: S	Category: All Categories	32587
Project: Wind Turbine Blades Effect On Energy Output			
School Liberty Christian High School	Advisor Jamie Michalek		
Third Place: Kendall Jones	Division: S	Category: All Categories	32587
Project: Wind Turbine Blades Effect On Energy Output			
School Liberty Christian High School	Advisor Jamie Michalek		
Second Place: Abhishek Mohan	Division: S	Category: All Categories	25885
Project: Development of a Rapid, Reusable Sensing Mechanism for the Selective Identification of Heavy Metal Contaminants in Water: An Implementation of Functionalized Isotropic Silver Nanoparticles for Toxic Ion			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		
First Place: Sarah Zou	Division: S	Category: All Categories	27213
Project: Sustainable Activated Carbon in Supercapacitors			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		

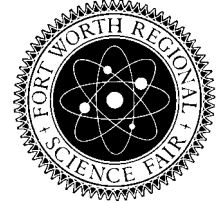
Fort Worth Regional Science Fair

Winners Directory



Award: **US Metric Association - ISEF**

First Place: Pranav Murugan	Division: S& Category: All Categories	27524
Project: Comparative Deformability and Microfluidic Perfusion of Human and Nonhuman Red Blood Cells		
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls	

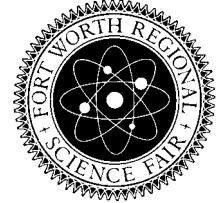


Fort Worth Regional Science Fair

Winners Directory

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

Sixth Place: Tibor Hollmann	Division: J	Category: All Categories	37705
Project: How airplanes fly?			
School North Joshua Elementary		Advisor Patti Jones	
Fifth Place: Carmina Ghandi	Division: J	Category: All Categories	38259
Project: Gel Electrophoresis Chamber			
School Harmony Science Academy Carrollton MS		Advisor Thanh Nguyen	
Fourth Place: Jamie Lim	Division: J	Category: All Categories	17851
Project: Numeric Keypad Layouts and Their Effects on Speed and Accuracy on Keying Performance			
School ST. Elizabeth Ann Seton Catholic Middle School		Advisor Katherine Arnold	
Third Place: Thomas Holt	Division: J	Category: All Categories	35848
Project: Cracking the Code - How safe is your password?			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	
Second Place: Lucas Melson	Division: J	Category: All Categories	15336
Project: Cell Tower Tracking			
School Liberty Christian School		Advisor Aaron Mouser	
First Place: Andrei Perez	Division: J	Category: All Categories	38027
Project: Alternative Fuels			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Johnny Ha	

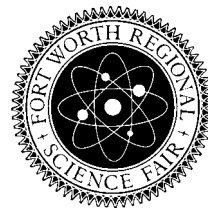


Fort Worth Regional Science Fair

Winners Directory

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

Third Place: Liesl Krone	Division: S	Category: All Categories	35479
Project: Analyzing Spent Grains as a Sustainable Source of Feed			
School Granbury High School	Advisor Kayli Morris		
Second Place: Chloe Ayers	Division: S	Category: All Categories	16143
Project: Foiled: Testing Lift and Drag on Airfoils in a Wind Tunnel			
School Colleyville Heritage High School	Advisor Sonya Loughran		
First Place: Michelle Yakubek	Division: S	Category: All Categories	27933
Project: Learning to Parse a Lower-Resource Language, Meitei, through Alignment with a Higher-Resource Language, Burmese			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		



Fort Worth Regional Science Fair

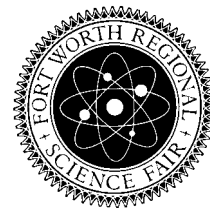
Winners Directory

Award: **Water Environment Assn Stockholm Jr. Water Prize - ISEF**

Third Place: Hunter Meroney	Division: S& Category: All Categories	31452
Project: THERMAL SHOCK and the effects on aquatic plants		
School Granbury High School	Advisor Kayli Morris	
Second Place: Isabella Solis	Division: S& Category: All Categories	30293
Project: Stabalizing the Red Tide Dinoflagellate Karenia Brevis		
School Harmony School Of Innovation Fort Worth (HS)	Advisor Bilal Yildirim	
Second Place: Gerrell Haynes	Division: S& Category: All Categories	30293
Project: Stabalizing the Red Tide Dinoflagellate Karenia Brevis		
School Harmony School Of Innovation Fort Worth (HS)	Advisor Bilal Yildirim	
First Place: Abhishek Mohan	Division: S& Category: All Categories	25885
Project: Development of a Rapid, Reusable Sensing Mechanism for the Selective Identification of Heavy Metal Contaminants in Water: An Implementation of Functionalized Isotropic Silver Nanoparticles for Toxic Ion		
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls	

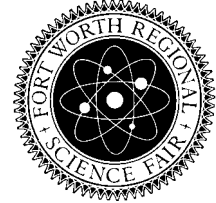
Fort Worth Regional Science Fair

Winners Directory



Award: **Water Environment Association of Texas**

Third Place: Shivani Patel	Division: J	Category: All Categories	35431
Project: Acid Rain's Effect on Aquatic Life			
School Harmony Science Academy Carrollton MS		Advisor Thanh Nguyen	
Second Place: Ashar Khazi-Syed	Division: J	Category: All Categories	36120
Project: Microbes: Giants of Power			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Johnny Ha	
First Place: Darlene Miallie	Division: J	Category: All Categories	37661
Project: Custom Compost			
School Harmony School Of Innovation Fort Worth (MS)		Advisor Sandi Parsons	



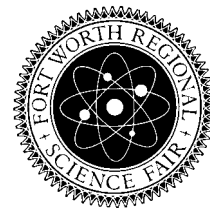
Fort Worth Regional Science Fair

Winners Directory

Award: **Water Environment Association of Texas**

Third Place: Hunter Meroney	Division: S	Category: All Categories	31452
Project: THERMAL SHOCK and the effects on aquatic plants			
School Granbury High School		Advisor Kayli Morris	
Second Place: Gerrell Haynes	Division: S	Category: All Categories	30293
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Second Place: Isabella Solis	Division: S	Category: All Categories	30293
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First Place: Abhishek Mohan	Division: S	Category: All Categories	25885
Project: Development of a Rapid, Reusable Sensing Mechanism for the Selective Identification of Heavy Metal Contaminants in Water: An Implementation of Functionalized Isotropic Silver Nanoparticles for Toxic Ion			
School Texas Academy of Mathematics and Sciences HS		Advisor Samuel Earls	

Fort Worth Regional Science Fair Winners Directory



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

First Place: Sanket Sane	Division: S&	Category: All Categories	28252
Project: Multi-Principal Alloys: A Paradigm Shift in Alloy Design			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		
First Place: Michael Lee	Division: S&	Category: All Categories	28252
Project: Multi-Principal Alloys: A Paradigm Shift in Alloy Design			
School Texas Academy of Mathematics and Sciences HS	Advisor Samuel Earls		