Fort Worth Regional Science Fair Winners Directory



Award: American Chemical Society

Division: S&	Category: All Cat	tegories	35479
rce of Feed			
		V. I. M.	
	Division: S& Irce of Feed	irce of Feed	Division: S& Category: All Categories arce of Feed Advisor Kavli 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

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Michael Shen ling the Spread of Epidemics throu		Category: All Categories rks	28010	
School Texas	s Academy of Mathematics and Sci	ences 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	s Academy of Mathematics and Scie	ences HS	Advisor Samuel	Earls	

Fort Worth Regional Science Fair Winners Directory



Award: American Meteorological Society - ISEF

Second Place: Aamilah Chowdhury Project: How Color Can Save Lives	Division: S&	Category: All Cat	tegories	35045
School Summit International High School		Advisor	Kiara Hervey	
First Place: Ajay Panda Project: Eco-morphology of Trinity River	Division: S&	Category: All Cat	tegories	28315
School Texas Academy of Mathematics and Science	s HS	Advisor	Samuel Earls	

Fort Worth Regional Science Fair Winners Directory



Award: American Meteorological Society & NWS - N TX Chapter

Second Place: Project: Acid Ra	Shivani Patel ain's Effect on Aquatic Life	Division: J	Category: All Categories	35431
School Harmon	ny Science Academy Carrollton MS		Advisor Thanh I	Nguyen
First Place: 7 Project: Are Thi	Tejaswi Thapa ings Heating Up? Modeling Earth's (Division: J Greenhouse Gas	Category: All Categories	33878
School TAMS	Middle School Aspire Fair		Advisor Russ St	ukel

Fort Worth Regional Science Fair Winners Directory



Award: American Meteorological Society & NWS - N TX Chapter

Second Place: Amber Lu Project: Signed Path Matrices and Oriented H		Category: All Categories izations	25805
School Texas Academy of Mathematics and S	Sciences HS	Advisor Samuel Earls	
First Place: Kelly Becker Project: Wind Turbine Blades Effect On Ener	Division: S gy Output	Category: All Categories	32587
School Liberty Christian High School		Advisor Jamie Michalek	
First Place: Kendall Jones Project: Wind Turbine Blades Effect On Ener	Division: S gy Output	Category: All Categories	32587
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 Project: Diagnostic Test for Dyslexia	Division: S& Category: All Categories	32607
School Azle High School	Advisor Monica Amyett	

Fort Worth Regional Science Fair Winners Directory



Award: American Society for Quality, Greater FW Section 1416

	nomas Holt the Code - How safe is you	Division: J r password?	Category: All Categor	ies 35848
School Harmony	School Of Innovation For	t Worth (MS)	Advisor San	di Parsons
Project: Which Ha Water or	Blaine McCoy Is Most Efficacy on Leaf C Miracle Gro Potting Soil w Cottage Prep Middle Scho	vith Epsom Salt or Mir	sil Plants: Miracle Gro	Potting Soil with Tap th Miracle Gro Liquafeed
First Place: Av Project: What's in	erie Coffman your drink?	Division: J	Category: All Categor	ies 33094
School Granbury	Middle School		Advisor Eliz	abeth Parks

Fort Worth Regional Science Fair Winners Directory



Award: American Society for Quality, Greater FW Section 1416

Third Place: Ashwin Kumar Project: RSM model optimization of the laser proc compatibility		Category: All Cat s on Ti-6Al-4V all	8	27920 rove bio-
School Texas Academy of Mathematics and Scien	nces HS	Advisor	Samuel 1	Earls
Second Place: Abhishek Shah Project: The effects of Glucose on the Behavior and	Division: S d Nervous Systen	Category: All Cat of C. elegans	tegories	35265
School John H Guyer High School		Advisor	Brandy	Guilford
First Place: Afeefah Khazi-Syed Project: Nano Today, Huge Tomorrow: Improving CNT Dispersion		Category: All Cat Delivery for S. epi	0	36177 Strains with a Novel
School Harmony School Of Innovation Fort Wor	th (HS)	Advisor	Omer D	ogan

Fort Worth Regional Science Fair Winners Directory



Award: ASM International - DFW Chapter

	Division: S& Category: All Categories 3 Production of Basil Plants: Miracle Gro Potting Soil with Tap psom Salt or Miracle Gro Potting Soil with Miracle Gro Liqua	6246 feed
School Christian Cottage Prep Middle School	Advisor Teri Willis	
Second Place: Rory Sumien Project: FROZEN FUN	Division: S& Category: All Categories 3	6420
School Loflin Middle School	Advisor Toni Worden	
First Place: Ashwin Kumar Project: RSM model optimization of the laser proc compatibility	Division: S& Category: All Categories 2 cessing parameters on Ti-6Al-4V alloys to improve bio-	27920
School Texas Academy of Mathematics and Scien	Advisor Samuel Earls	

Fort Worth Regional Science Fair Winners Directory



Award: ASM International Materials Education Foundation

First Pla	ace: Ashwin Kumar	Division: S&	Category: All Cat	tegories	27920
5	RSM model optimization of the laser proce compatibility	essing parameters	on Ti-6Al-4V allo	oys to improve bio-	
School 7	Texas Academy of Mathematics and Science	ces 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: Vegeta	ables or Dinosaurs? Comparing the fue	l 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 Project: Analyzing Spent Grains as a Sustainable Sou		5479
School Granbury High School	Advisor Kayli Morris	
First Place: Stella Yanda Project: Self Sustainable, Utopian & Carbon Neutral		2815
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: Burni	ing 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 Project: Where'd You Go Sugar?	Division: J	Category: All Categories	37698
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: THE	RMAL SHOCK and the effe	ects on aquatic plants		
School Gran	bury High School		Advisor Kayli Morris	



Award: Fort Worth Area Psychological Association

Second Place: Avery Thomas Project: Does Smell Ring a Bell?	Division: J	Category: All Categories	30838
School Acton Middle School		Advisor Scott Carpenter	
First Place: Nolan Cox Project: Chirography versus Digital Note-taking: A	Division: J An Experimental	Category: All Categories Analysis	35382
School Harmony School Of Innovation Fort Wort	h (MS)	Advisor Johnny Ha	



Award: Fort Worth Area Psychological Association

	Craig Smith Your Dexterity?	Division: S	Category: All Categories	37353
School Harmo	ony School Of Innovation Fort Worth	(HS)	Advisor Omer Dogan	
	Kamil Chandani oy Style: A Study of Social Stigmas ba		Category: All Categories rance	15230
				1



Award: Fort Worth Audubon Society Conservation Award

First Place:	Ben Westbrook	Division: J	Category: All Categories	39026
Project: Keys	toneDominoes? A St	udy of the Centrochelys Sulcat	e	
School North	h Texas Academy of Hi	gher Learning - MS	Advisor Linda Chisholm	



Award: Fort Worth Audubon Society Conservation Award

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



Award: HACEMOS

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

Fort Worth Regional Science Fair Winners Directory



Award: Institute of Electrical and Electronics Engrs, FW Section

	Malachi Lewis g material interference of radio activ	Division: J re particles	Category: All Categories	37265
School Lewis	Home School Middle School		Advisor Melanie Lewis	
	Irene Strzhemechny he function in the logistic equation ch	Division: J hange the Feiger	Category: All Categories abaum portrait?	37454
School Harme	ony School Of Innovation Fort Worth	h (MS)	Advisor Sandi Parsons	

Fort Worth Regional Science Fair Winners Directory



Award: Institute of Electrical and Electronics Engrs, FW Section

Second Place: Nathan Fripp Project: Triboelectric Balance Sensor	Division: S	Category: All Categories	38622
School Harmony Science Academy Carrollton HS		Advisor Manisha Singh	
First Place: Sarah Zou Project: Sustainable Activated Carbon in Supercapa	Division: S citors	Category: All Categories	27213
School Texas Academy of Mathematics and Science	es HS	Advisor Samuel Earls	

Fort Worth Regional Science Fair





Award: Intel Excellence in Computer Science - ISEF

First Place:	Michelle Yakubek	Division: S	Category: All Cat	tegories	27933
-	ning to Parse a Lower-Resource Langua uage, Burmese	nge, Meitei, thro	ough Alignment w	ith a Higher-Resource	
School Texas	s Academy of Mathematics and Sciences	s HS	Advisor	Samuel Earls	

Fort Worth Regional Science Fair Winners Directory



Award: Lockheed Martin Aeronautics Company

Third Place: Kate Morton Project: The Impact of Tree Cover on PM2.5 Levels	Division: J	Category: All Categories	37811
School Holy Family Catholic MS		Advisor Kimberly Pierce	
Second Place: Jack Hooper Project: Nailed It!	Division: J	Category: All Categories	15180
School Liberty Christian School		Advisor Aaron Mouser	
First Place: Ruhani Ahluwalia Project: Trojan Horse Delivers Lapatinib to Cancer	Division: J Cells While It I	Category: All Categories .imits Damage to Normal Cells	35923
School Harmony School Of Innovation Fort Worth	(MS)	Advisor Sandi Parsons	



Award: Lockheed Martin Aeronautics Company

Third Place:	Abhishek Mohan	Division: S	Category: All Cat	tegories		25885
	opment of a Rapid, Reusable Sensing M minants in Water: An Implementation					Ion
School Texas	Academy of Mathematics and Sciences	s HS	Advisor	Samuel	Earls	
Second Place:	Amber Lu	Division: S	Category: All Cat	tegories		25805
Project: Signed	d Path Matrices and Oriented Hypergr	aphic Generali	izations			
School Texas	Academy of Mathematics and Sciences	s HS	Advisor	Samuel	Earls	
First Place:	Jagath Vytheeswaran	Division: S	Category: All Cat	tegories		27401
Project: Effect	s of Beta-Amyloid on Neuronal Primar	y Cilia in Alzh	eimer's Brain			
School Texas	Academy of Mathematics and Sciences	s HS	Advisor	Samuel	Earls	
First Place:	Carolyn Huynh	Division: S	Category: All Cat	tegories		27401
Project: Effect	s of Beta-Amyloid on Neuronal Primar	y Cilia in Alzh	eimer's Brain			
School Texas	Academy of Mathematics and Sciences	s HS	Advisor	Samuel	Earls	
First Place:	Maya Xia	Division: \mathbf{S}	Category: All Cat	tegories		27401
Project: Effect	s of Beta-Amyloid on Neuronal Primar	y Cilia in Alzh	eimer's Brain			
School Texas	Academy of Mathematics and Sciences	s HS	Advisor	Samuel	Earls	



Award: Lockheed Martin Leadership Association

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



Award: Lockheed Martin Leadership Association

Third Place: Stella Yanda Project: Self Sustainable, Utopian & Carbon Neutral	Division: S I Cities	Category: All Categories	32815
School Azle High School		Advisor Monica Amyett	
Second Place: Liesl Krone Project: Analyzing Spent Grains as a Sustainable So	Division: S urce of Feed	Category: All Categories	35479
School Granbury High School		Advisor Kayli Morris	
First Place: Craig Smith Project: How's Your Dexterity?	Division: S	Category: All Categories	37353
School Harmony School Of Innovation Fort Worth	(HS)	Advisor Omer Dogan	

Fort Worth Regional Science Fair Winners Directory



Award: Miles Foundation

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

Fort Worth Regional Science Fair Winners Directory



Award: Miles Foundation

Third Place: Ainsley McDonald-Boyer Project: Diagnostic Test for Dyslexia	Division: S	Category: All Categories	32607
School Azle High School		Advisor Monica Amyett	
Second Place: Abhishek Shah Project: The effects of Glucose on the Behavior and	Division: S Nervous Systen	<i>2 j m g</i>	35265
School John H Guyer High School		Advisor Brandy Guilford	
First Place: Chloe Ayers Project: Foiled: Testing Lift and Drag on Airfoils in	Division: S a Wind Tunne	Category: All Categories	16143
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 Cat	egories		25805
Project: Signed Path Matrices and Oriented Hypergraphic Generalizations						
School Texas	s Academy of Mathematics and Science	s HS	Advisor	Samuel 1	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 Science	ces 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



Award: RadioShack Corporation Award

Third Place: Jonathan Harty	Division: S	Category: All Categories	15231
Project: Here Comes The Sun: Using Water Vapor I WIthout The Use Of An Electronic System	Pressure To Alle	ow For The Tracking Of The Sun By Solar	Panels
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 Tr	ansmitter		
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 Tr	ansmitter		
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 Tr	ansmitter		
School Liberty Christian High School		Advisor Jamie Michalek	
First Place: Ronaldo Flores Project: Tesla Coil	Division: S	Category: All Categories	37937
School Everman High School		Advisor Angela Collinsworth	

RTHR CE

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 Supercapa	acitors	
School Texas Academy of Mathematics and Science	es HS Advisor Samuel Earls	

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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
 29220

School Texas Academy of Mathematics and Sciences HS

Advisor Samuel Earls



Award: Society of Allied Weight Engineers

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



Award: Society of Allied Weight Engineers

Second Place: Project: Wind T	Kelly Becker Yurbine Blades Effect On Energ	Division: S gy Output	Category: All Categories	32587
School Liberty	Christian High School		Advisor Jamie Michalek	
Second Place:	Kendall Jones	Division: S	Category: All Categories	32587
Project: Wind T	Curbine Blades Effect On Energ	gy Output		
1				1
School Liberty	Christian High School		Advisor Jamie Michalek	
`	Christian High School Sahil Patel	Division: S	Advisor Jamie Michalek Category: All Categories	28318
First Place: S	Sahil Patel			28318



Award: Society of Flight Test Engineers

Second Place: Project: Rocket	Aleena Teresa Science 2.0	Division: J	Category: All Categories	33277
School Harmon	ny School Of Innovation F	Fort Worth (MS)	Advisor Sandi Parsons	
Second Place:	Kritisha Sharma	Division: J	Category: All Categories	33277
Project: Rocket	Science 2.0			
School Harmon	ny School Of Innovation F	Fort Worth (MS)	Advisor Sandi Parsons	
	Rajveer Sagoo	Fort Worth (MS) Division: J	Advisor Sandi Parsons Category: All Categories	36994

Fort Worth Regional Science Fair Winners Directory



Award: Society of Flight Test Engineers

Second Place: Project: The Sy	Sahil Patel nthesis of Novel Thermally Conduct		0,	28318
School Texas A	Academy of Mathematics and Science	ces HS	Advisor Samuel Earls	
	Chloe Ayers : Testing Lift and Drag on Airfoils in	Division: S in a Wind Tunne	Category: All Categories	16143
School Colley	ville Heritage High School		Advisor Sonya Loughran	



Award: Tarrant County Veterinary Medical Association

	Ben Westbrook oneDominoes? A Study of the Co	Division: J entrochelys Sulcat	Category: All Categories	39026
School North	Texas Academy of Higher Learnin	ng - MS	Advisor Linda Chisholm	
Project: Which	Pietra deBoer 1 is More Effective, Wool Synthetic erature for Hoses	Division: J or Neoprene Sade	Category: All Categories dle Pads, at Reducing Under Saddle Pad	36636
School Christ				



Award: Tarrant County Veterinary Medical Association

	Rebecca Fripp erts and Introverts in Black Rhinoce	Category: All Catego cornis) Calves	ories	39019
School Harmo	ny Science Academy Carrollton HS	Advisor M	anisha Singh	
	Blake Pope to Assembly and Characterization of	Category: All Catego anscriptome	ories	22366
School Summi	t International High School	Advisor O	meshia Moffett	
First Place:	Jose Alcala to Assembly and Characterization of	Category: All Catego anscriptome	ories	22366
School Summi	t International High School	Advisor Ga	ary Nicholson	

Fort Worth Regional Science Fair Winners Directory



Award: US Air Force

Fourth Place: Jonathan Harty Project: Here Comes The Sun: Using Water Vapor Pr WIthout The Use Of An Electronic System			ng Of The Sun By Solar	15231 Panels
School Colleyville Heritage High School		Advisor	Sonya Loughran	
Third Place: Raphael Cacho Project: Powering the future with nanoparticles	Division: S&	Category: All Cat	egories	37197
School Harmony School Of Innovation Fort Worth	(MS)	Advisor	Johnny Ha	
Second Place: Chloe Ayers Project: Foiled: Testing Lift and Drag on Airfoils in a		Category: All Cat	tegories	16143
School Colleyville Heritage High School		Advisor	Sonya Loughran	
First Place: Ava Terrell Project: Diamagnetic Strength of Graphite vs. Other		Category: All Cat	egories	39118
School Holy Family Catholic MS		Advisor	Kimberly Pierce	

Fort Worth Regional Science Fair Winners Directory



Award: US Environmental Protection Agency

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



Award: US Environmental Protection Agency

Third Place:	Kelly Becker	Division: S	Category: All Cat	egories	32587
Project: Wind T	Furbine Blades Effect On Energy Out	tput			
School Liberty	y Christian High School		Advisor	Jamie Michalek	
Third Place:	Kendall Jones	Division: S	Category: All Cat	egories	32587
Project: Wind T	Furbine Blades Effect On Energy Out	tput			
School Liberty	y Christian High School		Advisor	Jamie Michalek	
Second Place:	Abhishek Mohan	Division: S	Category: All Cat	egories	25885
Project: Develo	Abhishek Mohan pment of a Rapid, Reusable Sensing I minants in Water: An Implementation	Mechanism for	the Selective Ident	ification of Heavy Meta	al
Project: Develo Contar	pment of a Rapid, Reusable Sensing I	Mechanism for n of Functionali	the Selective Ident ized Isotropic Silve	ification of Heavy Meta	al
Project: Develo Contar School Texas A First Place:	pment of a Rapid, Reusable Sensing M minants in Water: An Implementation Academy of Mathematics and Science Sarah Zou	Mechanism for n of Functionali es HS Division: S	the Selective Ident ized Isotropic Silve	ification of Heavy Meta r Nanoparticles for To: Samuel Earls	al
Project: Develo Contar School Texas A First Place:	opment of a Rapid, Reusable Sensing M minants in Water: An Implementation Academy of Mathematics and Science	Mechanism for n of Functionali es HS Division: S	the Selective Ident ized Isotropic Silve Advisor	ification of Heavy Meta r Nanoparticles for To: Samuel Earls	al xic Ion

Fort Worth Regional Science Fair Winners Directory



Award: US Metric Association - ISEF

First Place:	Pranav Murugan	Division: S& Category: All Categories	27524
Project: Comp	arative Deformability and Microfluidic	Perfusion of Human and Nonhuman Red Blood Cells	

School Texas Academy of Mathematics and Sciences HS

Advisor Samuel Earls



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

Sixth Place: Tibor Hollmann Project: How airplanes fly?	Division: J	Category: All Categories	37705
School North Joshua Elementary		Advisor Patti Jones	
Fifth Place: Carmina Ghandi Project: Gel Electrophoresis Chamber	Division: J	Category: All Categories	38259
School Harmony Science Academy Carrollton MS	8	Advisor Thanh Nguyen	
Fourth Place: Jamie Lim Project: Numeric Keypad Layouts and Their Effec	Division: J ts on Speed and	Category: All Categories Accuracy on Keying Performance	17851
School ST. Elizabeth Ann Seton Catholic Middle	School	Advisor Katherine Arnold	1
Third Place: Thomas Holt Project: Cracking the Code - How safe is your pass	Division: J sword?	Category: All Categories	35848
	sword?	Category: All Categories Advisor Sandi Parsons	35848
Project: Cracking the Code - How safe is your pass	sword?		35848 15336
Project: Cracking the Code - How safe is your pass School Harmony School Of Innovation Fort Work Second Place: Lucas Melson	sword? th (MS)	Advisor Sandi Parsons	
Project: Cracking the Code - How safe is your pass School Harmony School Of Innovation Fort Wort Second Place: Lucas Melson Project: Cell Tower Tracking	sword? th (MS)	Advisor Sandi Parsons Category: All Categories	

Fort Worth Regional Science Fair

Winners Directory



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

	Liesl Krone ing Spent Grains as a Sustai	Division: S nable Source of Feed	Category: All Categories	35479
School Granb	ury High School		Advisor Kayli Morris	
Second Place: Project: Foiled:	Chloe Ayers Testing Lift and Drag on A	Division: S irfoils in a Wind Tunne	Category: All Categories	16143
School Colley	ville Heritage High School		Advisor Sonya Loughran	
Project: Learni	Michelle Yakubek ng to Parse a Lower-Resourc age, Burmese	Division: S ce Language, Meitei, thr	Category: All Categories rough Alignment with a Higher-Resourc	27933 e
School Texas A	Academy of Mathematics and	d 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 Project: THERMAL SHOCK and		Category: All Categories	31452
School Granbury High School		Advisor Kayli Morris	
Second Place: Isabella Solis Project: Stabalizing the Red Tide I		Category: All Categories	30293
School Harmony School Of Innov Second Place: Gerrell Haynes Project: Stabalizing the Red Tide I	Division: S&	Advisor Bilal Yildirim Category: All Categories	30293
School Harmony School Of Innov	ration Fort Worth (HS)	Advisor Bilal Yildirim	
	Reusable Sensing Mechanism for t An Implementation of Functionaliz	zed Isotropic Silver Nanoparticles	•
School Texas Academy of Mather	natics and Sciences HS	Advisor Samuel Earls	

Fort Worth Regional Science Fair Winners Directory



Award: Water Environment Association of Texas

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



Award: Water Environment Association of Texas

	Hunter Meroney AL SHOCK and the effects on aqua	Division: S atic plants	Category: All Cat	tegories	31452
School Granbury	-		Advisor	Kayli Morris	
	Gerrell Haynes ng the Red Tide Dinoflagellate Kare	Division: S enia Brevis	Category: All Cat	tegories	30293
School Harmony	y School Of Innovation Fort Worth	(HS)	Advisor	Bilal Yildirim	
Second Place:	Isabella Solis ng the Red Tide Dinoflagellate Kare	Division: S enia Brevis	Category: All Cat	tegories	30293
School Harmony	y School Of Innovation Fort Worth	(HS)	Advisor	Bilal Yildirim	
Project: Developm	bhishek Mohan nent of a Rapid, Reusable Sensing M			ification of Heavy Metal	25885
	nants in Water: An Implementation cademy of Mathematics and Sciences		•	er Nanoparticles for Toxic Samuel Earls	cion

Award: Yale Science and Engineering Association - ISEF

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