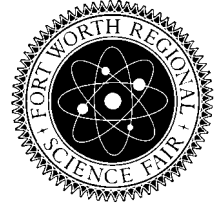


Fort Worth Regional Science Fair Winners Directory



Award: **Animal Science**

First Place: Prathibha Juturu

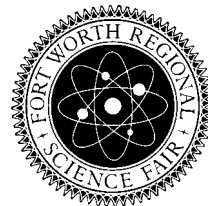
Division: **I**

00001

Project: **Endangered**

School **Texas Academy of Mathematics and Sciences**

Advisor **Dr Sinclain**



Fort Worth Regional Science Fair

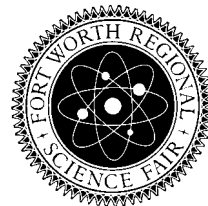
Winners Directory

Award: **Behavior and Social Sciences**

First Place: Samantha M. Spence	Division: I	00011
Project: The Effect Color Has On The Recognition Of Emotions In Humans		
School Northwest High School	Advisor Mrs Compher	

Second Place: Crystal D. Dawson	Division: I	00014
Project: Morality: Does Gender Matter?		
School Northwest High School	Advisor Mrs Compher	

Third Place: Savanna M. Hoover	Division: I	00020
Project: Scentsational		
School Azle High School	Advisor Monica Amyett	



Fort Worth Regional Science Fair

Winners Directory

Award: **Biochemistry**

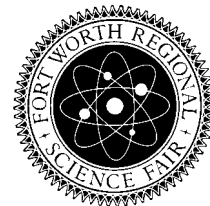
First Place: Sulabh S. Singhal	Division: I	00037
Project: Novel Polymeric Nanoparticles As Carrier For Curcumin In Chemotherapy Of Neuroblastoma		
School Arlington High School	Advisor Jk Vishwanatha	

Second Place: Sheila R. Chandrahas	Division: I	00028
Project: Stem It Up: A Study On The Effect Of Profilin On Hematopoietic Stem Cells Within Bone Marrow		
School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclain	

Third Place: Jennifer J. Zhang	Division: I	00033
Project: The Potential Binding Sites Between Myosin And Mybp-c		
School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclain	

Fort Worth Regional Science Fair

Winners Directory

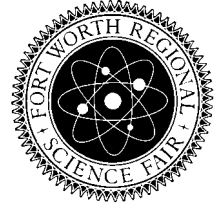
**Award: Chemistry**

First Place: A. Corey McCormack	Division: I	00050
Project: Is Your Roof A Streaker?		
School Carroll High School	Advisor Jason Lambert	

Second Place: Badar Patel	Division: I	00049
Project: Optimization Of Plasmonic Absorption Of Non-toxic Gold Nanoparticles For Drug Delivery Applications		
School Texas Academy of Mathematics and Sciences	Advisor Dr Fleming	

Third Place: Jonathan J. Sphar	Division: I	00044
Project: The Salt Water Battery		
School Harmony Science Academy	Advisor Petta	

Fort Worth Regional Science Fair Winners Directory



Award: **Computer Science**

First Place: Danny D. McGill

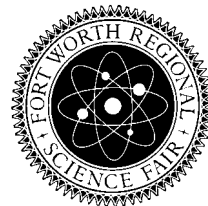
Division: **I**

00059

Project: **2d Platform Game**

School **Azle High School**

Advisor **Monica Amyett**



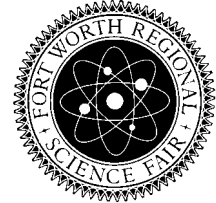
Fort Worth Regional Science Fair

Winners Directory

Award: **Earth and Planetary Science**

First Place: Evelyn Jimenez	Division: I	00068
Project: Go With The Flow		
School Everman High School	Advisor L.R. Ritchie	

Second Place: Susana M. Aguano	Division: I	00066
Project: Smoke Cannon		
School Everman High School	Advisor L.R. Ritchie	



Fort Worth Regional Science Fair

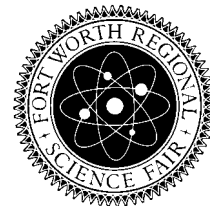
Winners Directory

Award: **Energy and Transportation**

First Place: Humza Mohammad	Division: I	00126
Project: Production Of Bioethanol From Starch Plants		
School Harmony Science Academy	Advisor Turner	

Second Place: Carlos E. Bustos	Division: I	00118
Project: E0 Vs E10		
School Everman High School	Advisor L.R. Ritchie	

Third Place: Stephen E. Chisholm	Division: I	00124
Project: A Comparative Study Of Horizontal Axis Wind Turbine Designs		
School North Texas Academy Of Higher Learning	Advisor Donna Szumilla	



Fort Worth Regional Science Fair

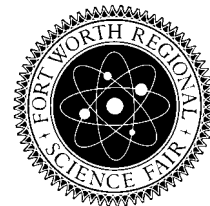
Winners Directory

Award: **Eng: Materials and Bioengineering**

First Place: Ewin N. Tang	Division: I	00112
Project: Development Of Optical Nanoprobes For Diagnosing Inflammation		
School Home School	Advisor Jun Zhou	

Second Place: Howei L. Chen	Division: I	00110
Project: The Effects Of Graphene Content On The Properties Of Low-density Polyethylene (ldpe)		
School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclair	

Third Place: Santosh K. Murugan	Division: I	00114
Project: Bioresorbable Composite Scaffolds For Guided Tissue Regeneration		
School Trinity Valley School	Advisor Jennifer Cooke	



Fort Worth Regional Science Fair

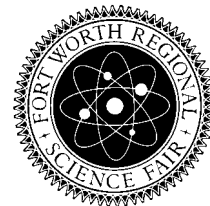
Winners Directory

Award: **Eng:Electrical and Mechanical Eng.**

First Place: Nihal R. Koduri	Division: I	00078
Project: Developing A Resistive Strain Sensor Using Biscrolled Yarn		
School: Texas Academy of Mathematics and Sciences	Advisor: Dr Sinclain	

Second Place: Patrick A. Yu	Division: I	00081
Project: Radial Breathing Mode Analysis Of Single Walled And Double Walled Carbon Nanotubes		
School: Texas Academy of Mathematics and Sciences	Advisor: Junichiro Kono	

Third Place: Alyssa K. Malone	Division: I	00079
Project: Saving Our Future: Building A Better Safety Seat		
School: Harmony Science Academy	Advisor: Petta	



Fort Worth Regional Science Fair

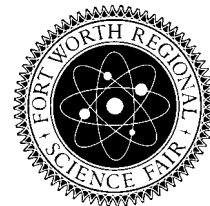
Winners Directory

Award: **Environmental Science**

First Place: Jianing Jenny He	Division: I	00092
Project: Bailey: Improving Btex Detection Using Membrane-introduction Mass Spectrometry (lims)		
School Texas Academy of Mathematics and Sciences	Advisor Ben Owens	

Second Place: Malynne K. Emrich	Division: I	00094
Project: Efficient Methods Of Breaking Down Oils In Salt Water		
School Harmony Science Academy	Advisor Yusuf Akpinar	

Third Place: Victoria A. Dorch	Division: I	00090
Project: Cleaning Up Our Waters		
School Harmony Academy - Euless	Advisor Elizabeth Triplett	



Fort Worth Regional Science Fair

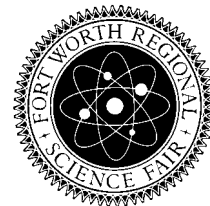
Winners Directory

Award: **Mathematical Science**

First Place: George Qi	Division: I	00133
Project: Attainability Analysis On The Chromatic Numbers Of Functigraphs		
School: Texas Academy of Mathematics and Sciences	Advisor: Ben Owens	

Second Place: Shree Bose	Division: I	00132
Project: Epidemic: Modeling The Global Spread Of Totally Drug Resistant Tuberculosis		
School: Fort Worth Country Day	Advisor: Hamilton	

Third Place: Amy W. Lin	Division: I	00135
Project: Quantification Of Neural Network Bursting Dynamics Through Statistical Distribution Fitting		
School: Texas Academy of Mathematics and Sciences	Advisor: Guenter Gross	



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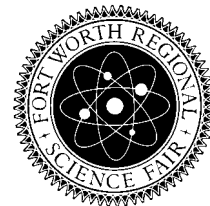
Winners Directory

Award: **Medicine and Health**

First Place: David L. Chi	Division: I	00146
Project: Deficiency Of Transcription Factor Fox04 Protects Against Myocardial Infarction		
School: Texas Academy of Mathematics and Sciences	Advisor: Dr Sinclain	

Second Place: Ari S. Gao	Division: I	00151
Project: Somatostatin Receptors On Primary Cilia Protect Brain From Excitotoxic Injury During Seizures		
School: Texas Academy of Mathematics and Sciences	Advisor: Jannon Fuchs	

Third Place: Peter Wu	Division: I	00152
Project: The Effects Of Gold Nanospheres On Human Prostate Cells		
School: Texas Academy of Mathematics and Sciences	Advisor: Ms Boyd-brown	



Fort Worth Regional Science Fair

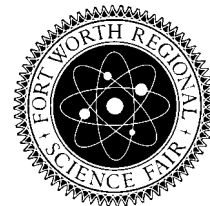
Winners Directory

Award: Microbiology

First Place: Christine L. Yuan	Division: I	00166
Project: Rock Paper Scissors And The Superbug		
School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclain	

Second Place: Emran Shafaq	Division: I	00164
Project: The Effect Of Caffeine On The Growth Of E.coli		
School Harmony Science Academy	Advisor Yusuf Akpinar	

Third Place: Jennifer A. Metu	Division: I	00163
Project: Bacterial Transformation Efficiency		
School Harmony Academy - Euless	Advisor Mrs Miller	



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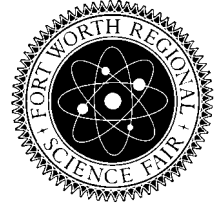
Winners Directory

Award: **Physics and Astronomy**

First Place: Helen Xiong	Division: I	00174
Project: Doping Carbon Nanotubes And Organic Solar Cells With Strong Organic Acceptor Molecules		
School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclain	

Second Place: Kai Yue	Division: I	00173
Project: Stop And Stare: A Novel Approach To Three Dimensional Xray Processing		
School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclain	

Third Place: Anthony M. Salvitti	Division: I	00179
Project: Strongest Fishing Knots And Lines		
School Harmony Science Academy	Advisor Turner	



Fort Worth Regional Science Fair

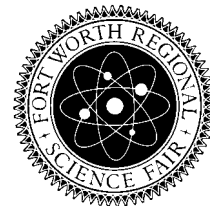
Winners Directory

Award: **Plant Sciences**

First Place: Mariah S. Rendeiro	Division: I	00187
Project: Ironing Out Global Warming		
School Granbury High School	Advisor Tanner Fain	

Second Place: Greg W. Zhang	Division: I	00190
Project: Eliminating Pesticide Residue On Tomatoes Using Reductive Dechlorination		
School Texas Academy of Mathematics and Sciences	Advisor Ben Owens	

Third Place: Alexis Aguilar	Division: I	00191
Project: How Does Pilobolus Fungus React To Different Light Conditions		
School Harmony Science Academy	Advisor Nuray Tunca	



Fort Worth Regional Science Fair

Winners Directory

Award: **Team Project A**

First Place: David Z. Hao	Division: I	02161
Project: The Role Of Primary Cilia In The Proliferation Of Cells In The Dorsal Root Ganglia		

School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclain
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First Place: William Huang	Division: I	02162
Project: The Role Of Primary Cilia In The Proliferation Of Cells In The Dorsal Root Ganglia		

School Texas Academy of Mathematics and Sciences	Advisor Dr Sinclain
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Second Place: Kevin Chen	Division: I	02122
Project: Statistical Analysis Of Engineered Zinc Finger Protein Binding Affinity For Site-specific Gene Therapeutics		

School Texas Academy of Mathematics and Sciences	Advisor Ben Owens
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Second Place: Alex Hong	Division: I	02121
Project: Statistical Analysis Of Engineered Zinc Finger Protein Binding Affinity For Site-specific Gene Therapeutics		

School Texas Academy of Mathematics and Sciences	Advisor Ben Owens
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Third Place: Kenneth LeGrande	Division: I	02152
Project: The Effects Of Priming On Test Scores		

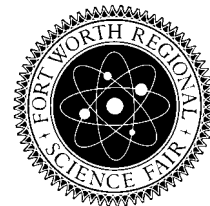
School Northwest High School	Advisor Mrs Compher
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Third Place: Andrew M. Mirabile	Division: I	02151
Project: The Effects Of Priming On Test Scores		

School Northwest High School	Advisor Mrs Compher
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Third Place: Austin S. Pryor	Division: I	02153
Project: The Effects Of Priming On Test Scores		

School Northwest High School	Advisor Mrs Compher
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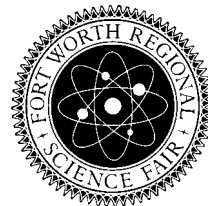


Fort Worth Regional Science Fair

Winners Directory

Award: **Team Project B**

First Place: Jonathan Zhu	Division: I	02231
Project: Bottled Up I I		
School Texas Academy of Mathematics and Sciences	Advisor Dr Peter Collins	
First Place: Vaibhav Gupta	Division: I	02232
Project: Bottled Up I I		
School Texas Academy of Mathematics and Sciences	Advisor Dr Peter Collins	
First Place: Hua-hsin Tai	Division: I	02233
Project: Bottled Up I I		
School Texas Academy of Mathematics and Sciences	Advisor Dr Peter Collins	
Second Place: Trevor Rogers	Division: I	02313
Project: Go Longboarding		
School Westlake Academy	Advisor E Golden	
Second Place: Don C. Dunlap	Division: I	02312
Project: Go Longboarding		
School Westlake Academy	Advisor E Golden	
Second Place: Greg Gordon	Division: I	02311
Project: Go Longboarding		
School Westlake Academy	Advisor E Golden	
Third Place: Yashvanth K. Poondla	Division: I	02271
Project: Composites Of Chemically Modified Fibers		
School Texas Academy of Mathematics and Sciences	Advisor Ben Owens	
Third Place: Larry A. Xiao	Division: I	02272
Project: Composites Of Chemically Modified Fibers		
School Texas Academy of Mathematics and Sciences	Advisor Ben Owens	



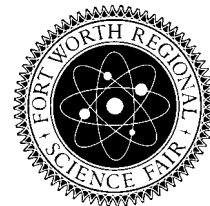
Fort Worth Regional Science Fair

Winners Directory

Award: **Animal Science**

First Place: Ryan P. Parkey	Division: II	00246
Project: The Effect Of Water Temperature On Tadpoles		
School Westlake Academy	Advisor E Golden	

Second Place: Elizabeth Paulos	Division: II	00244
Project: Will Household Items Kill Ants?		
School Liberty Christian School	Advisor Mrs Snowden	



Fort Worth Regional Science Fair

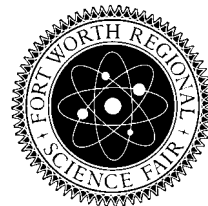
Winners Directory

Award: Behavior and Social Sciences

First Place: Camilla Cox	Division: II	00259
Project: Are You Smarter Than A Sixth Grader?		
School Westlake Academy	Advisor Tiffany Devivo	

Second Place: Sarai Harding	Division: II	00257
Project: Deadly Driving		
School Liberty Christian School	Advisor Lisa Deaver	

Third Place: Jessie A. Park	Division: II	00261
Project: Can You Remember?		
School Harmony Academy - Euless	Advisor Mrs Coan	



Fort Worth Regional Science Fair

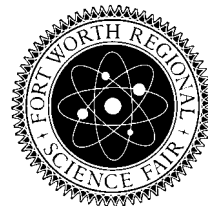
Winners Directory

Award: Biochemistry

First Place: Kirie Psaromatis	Division: II	00273
Project: A Wrinkle In Time		
School Liberty Christian School	Advisor Lisa Deaver	

Second Place: Liesl B. Krone	Division: II	00269
Project: I Work Out		
School Acton Middle School	Advisor Coach Carpenter	

Third Place: Ryan Marko	Division: II	00272
Project: Gold To White Without Light		
School Liberty Christian School	Advisor Mrs Snowden	



Fort Worth Regional Science Fair

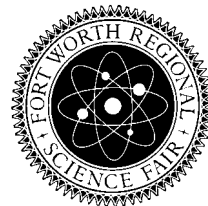
Winners Directory

Award: **Chemistry**

First Place: Lily Gresham	Division: II	00290
Project: Fingerprints In Temperature		
School Liberty Christian School	Advisor Lisa Deaver	

Second Place: Anshu Jain	Division: II	00297
Project: How Much Energy Is Stored In Different Types Of Food		
School Harmony School Of Innovation	Advisor Suleyman Yildirim	

Third Place: Diana N. Dyer	Division: II	00289
Project: The Best Sugar Crystal		
School Northstar School	Advisor Tabatha Knickerbocker	



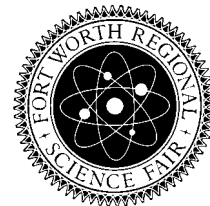
Fort Worth Regional Science Fair

Winners Directory

Award: **Computer Science**

First Place: Dominick A. Harasimiuk	Division: II	00301
Project: Benchmarking Computer Algorithms		
School St. Elizabeth Ann Seton Catholic School	Advisor Mrs Arnold	

Second Place: Ben Lamont	Division: II	00304
Project: Video Games For Studying		
School Liberty Christian School	Advisor Lisa Deaver	



Fort Worth Regional Science Fair

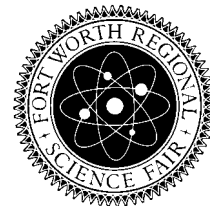
Winners Directory

Award: Earth and Planetary Science

First Place: Gracie Meek	Division: II	00315
Project: Gone With The Wind		
School Liberty Christian School	Advisor Mrs Snowden	

Second Place: Antonio M. Nieves-Tichy	Division: II	00317
Project: Tsunami Vs. Barriers		
School Harmony Academy - Euless	Advisor Elizabeth Triplett	

Third Place: Braden P. Lewis	Division: II	00312
Project: Twisters		
School Caddo Grove Elementary	Advisor Toni Worden	



Fort Worth Regional Science Fair

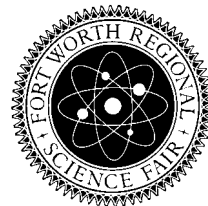
Winners Directory

Award: Energy and Transportation

First Place: Yaseem Rana	Division: II	00387
Project: The Effect Of Faraday's Law Of Induction On Harnessing Energy		
School Harmony Science Academy	Advisor Ms Nickolson	

Second Place: Concepcion C. Appio-Riley	Division: II	00392
Project: Why Winglets		
School Harmony School Of Innovation	Advisor Jun Guo	

Third Place: Kennedy Collins	Division: II	00393
Project: Lubrication Nation		
School Liberty Christian School	Advisor Lisa Deaver	



Fort Worth Regional Science Fair

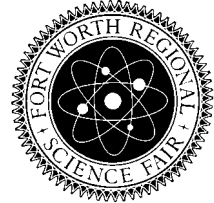
Winners Directory

Award: Eng: Materials and Bioengineering

First Place: Cameron M. Jensen	Division: II	00371
Project: Dam Materials Testing		
School St. Maria Goretti Catholic School	Advisor Gary Spaulding	

Second Place: Rishik Puppala	Division: II	00383
Project: Can We Conserve Energy Using Liner Bricks?		
School Harmony Academy - Euless	Advisor Mrs Coan	

Third Place: Mark A. Wagner	Division: II	00372
Project: Hot Pajamas		
School St. Maria Goretti Catholic School	Advisor Gary Spaulding	



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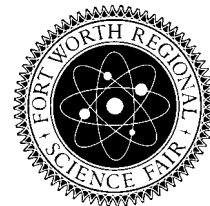
Winners Directory

Award: Eng:Electrical and Mechanical Eng.

First Place: Brayden Dragoo	Division: II	00325
Project: That Was Slick		
School Liberty Christian School	Advisor Mrs Snowden	

Second Place: Logan M. Zartman	Division: II	00321
Project: Lifi - Free Space Optical Communication		
School Harmony Science Academy	Advisor Ms Nickolson	

Third Place: Edwin E. Popaja	Division: II	00336
Project: Perfect Propellers		
School Harmony Academy - Euless	Advisor Elizabeth Triplett	



Fort Worth Regional Science Fair

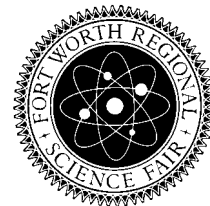
Winners Directory

Award: **Environmental Science**

First Place: Shreyoshi Das	Division: II	00342
Project: Lightweight Composites From Waste Products		
School Mckamy Middle School	Advisor Casey Hall	

Second Place: Afeefah F. Khazi-Syed	Division: II	00353
Project: Got Solar!		
School Harmony Science Academy	Advisor Ms Nickolson	

Third Place: Sydney E. Stoyanoff	Division: II	00361
Project: Acid Rain Effects On Seed Germination		
School Westlake Academy	Advisor Sarah Stack	



Fort Worth Regional Science Fair

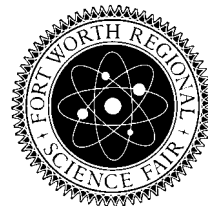
Winners Directory

Award: Mathematical Science

First Place: Hailey Costin	Division: II	00405
Project: My How That Arrow Can Fly!		
School Liberty Christian School	Advisor Mrs Snowden	

Second Place: Sakshat Sinha	Division: II	00402
Project: Archimedes Screw Pump		
School Harmony School Of Innovation	Advisor Suleyman Yildirim	

Third Place: Ashley S. West	Division: II	00412
Project: Solving The Magical Three- D Cube		
School Harmony Academy - Euless	Advisor Mrs Coan	



Fort Worth Regional Science Fair

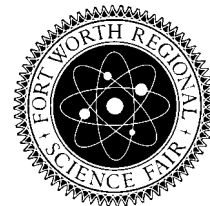
Winners Directory

Award: **Medicine and Health**

First Place: Thomas P. Wallace	Division: II	00426
Project: Blood Glucose Measurement - Is There A Better Way?		
School Granbury Middle School	Advisor Lynch	

Second Place: Michael A. Mong	Division: II	00417
Project: Geobacter - The Electricity Producing Bacteria		
School St. Elizabeth Ann Seton Catholic School	Advisor Mrs Arnold	

Third Place: Ruth C. Langat	Division: II	00439
Project: Using Bile Salt As A Stain Remover		
School Harmony Academy - Euless	Advisor Elizabeth Triplett	



Fort Worth Regional Science Fair

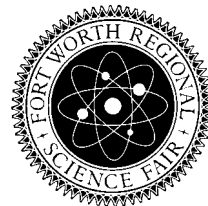
Winners Directory

Award: **Microbiology**

First Place: Eman Alasadi	Division: II	00451
Project: Development Of Biofilm With Streptococcus Mutans		
School Harmony Science Academy	Advisor Stephanie Elias	

Second Place: Elijah Elliott	Division: II	00447
Project: Want Germs Gone?		
School Liberty Christian School	Advisor Mrs Snowden	

Third Place: Ashley Good	Division: II	00449
Project: Double Dipping Danger		
School Liberty Christian School	Advisor Lisa Deaver	



Fort Worth Regional Science Fair

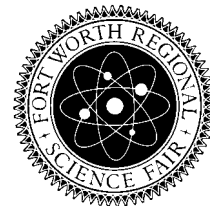
Winners Directory

Award: **Physics and Astronomy**

First Place: Michael Becker	Division: II	00460
Project: Does The Temperature Of The Zone Affect The Pitch Of A Trombone?		
School Liberty Christian School	Advisor Mrs Snowden	

Second Place: Margeaux A. Wright	Division: II	00463
Project: Crimson Crime		
School Westlake Academy	Advisor Mrs Jernigan	

Third Place: Annabel Tallent	Division: II	00458
Project: Energy From Vegetables		
School Staples Elementary	Advisor Monteleone	



Fort Worth Regional Science Fair

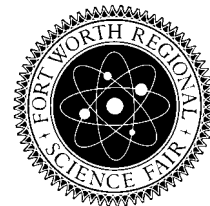
Winners Directory

Award: **Plant Sciences**

First Place: Christopher A. Pitts	Division: II	00474
Project: The Effect Of Growth Hormone On Irradiated Phaseolus Lunatus		
School Harmony Science Academy	Advisor Ms Nickolson	

Second Place: Janneke T. DeBoer	Division: II	00480
Project: Effects Of Microbes On Growth And Durabiity		
School Christian Cottage Prep	Advisor Teri Willis	

Third Place: Bilal Rehman	Division: II	00487
Project: The Effect That Boiling Chloroplasts Has On Photosynthesis And Absorbance		
School Harmony Science Academy	Advisor Stephanie Elias	



Fort Worth Regional Science Fair

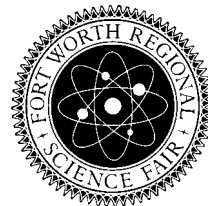
Winners Directory

Award: Team Project A

First Place: Meredith Mccune	Division: II	05061
Project: Use Your Brain		
School Westlake Academy	Advisor Mrs Jernigan	
First Place: Emily M. Moren	Division: II	05062
Project: Use Your Brain		
School Westlake Academy	Advisor Mrs Jernigan	

Second Place: Jasmine Ochoa	Division: II	04922
Project: An Understanding Of Biodiversity Within The Cities Of Tarrant County		
School Applied Learning Academy	Advisor Denise Gordon	
Second Place: Jennifer S. Ochoa	Division: II	04923
Project: An Understanding Of Biodiversity Within The Cities Of Tarrant County		
School Applied Learning Academy	Advisor Denise Gordon	
Second Place: Azucena Kleckner	Division: II	04921
Project: An Understanding Of Biodiversity Within The Cities Of Tarrant County		
School Applied Learning Academy	Advisor Denise Gordon	

Third Place: Olivia N. Gibbs	Division: II	05051
Project: Tasty Buds		
School Westlake Academy	Advisor Mrs Jernigan	
Third Place: Janzen A. Small	Division: II	05052
Project: Tasty Buds		
School Westlake Academy	Advisor Mrs Jernigan	



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Winners Directory

Award: Team Project B

First Place: Payton L. Limon	Division: II	05211
Project: Take A Deep Breath!		
School A.g. Elder Elementary	Advisor Goodale	
First Place: Emily N. Parrish	Division: II	05212
Project: Take A Deep Breath!		
School A.g. Elder Elementary	Advisor Goodale	

Second Place: Maggie E. Shipman	Division: II	05231
Project: The Silent Killer		
School North Joshua Elementary	Advisor Ms Blair	
Second Place: Marissa N. Jenkins	Division: II	05232
Project: The Silent Killer		
School North Joshua Elementary	Advisor Ms Blair	

Third Place: Elan S. Sealy	Division: II	05172
Project: Hoverin' Around		
School Caddo Grove Elementary	Advisor Toni Worden	
Third Place: Dusty A. Anglin	Division: II	05171
Project: Hoverin' Around		
School Caddo Grove Elementary	Advisor Toni Worden	