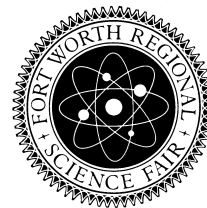


Fort Worth Regional Science Fair Winners Directory



Award: **Animal Science**

First Place: Ritish Patnaik

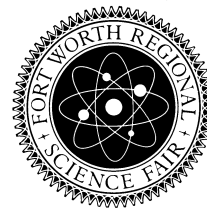
Division: **I**

01199

Project: **Slaughter In The Water: Testing The Effects Of Pollutants On Aquatic Organisms (year I I)**

School **Texas Academy Of Mathematics & Science**

Advisor **Richard Sinclair**



Fort Worth Regional Science Fair

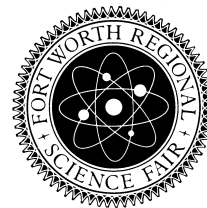
Winners Directory

Award: **Behavior & Social Science**

First Place: Jennifer B. LA Project: Can't You Hear That?	Division: I	01428
School Everman High School	Advisor L R. Ritchie	

Second Place: Sandy Marin Project: " No! I'm Innocent! "	Division: I	01378
School Everman High School	Advisor L R. Ritchie	

Third Place: Carina Mayorga Project: Left Vs Right	Division: I	01373
School Everman High School	Advisor L R. Ritchie	



Fort Worth Regional Science Fair Winners Directory

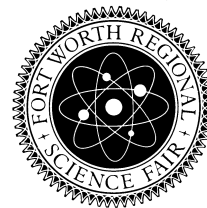
Award: **Biochemistry**

First Place: Sailee Yadav	Division: I	01209
Project: Type2 Diabetes In The Age Of Epigenetics: Diet Takes Over		
School Martin High School	Advisor Susan Darr	

Second Place: Anita S. Chandrahas	Division: I	01139
Project: Lipodystrophy Protein Seipin Functions In Lipid Droplet Biogenesis And Morphology		
School Texas Academy Of Mathematics & Science	Advisor Allen	

Fort Worth Regional Science Fair

Winners Directory



Award: **Cellular & Molecular Biology**

First Place: Shree Bose

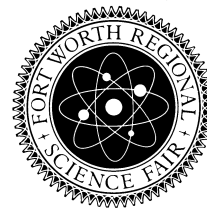
Division: **I**

01326

Project: **Targeting Amp Kinase To Reverse Cisplatin Resistance In Ovarian Cancer**

School **Fort Worth Country Day**

Advisor **Sharon Hamilton**



Fort Worth Regional Science Fair

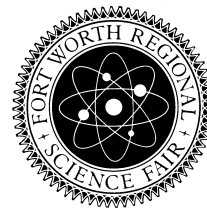
Winners Directory

Award: **Chemistry**

First Place: Kurtis M. Carsch	Division: I	01366
Project: Methane-methanol Conversion: Designing An Efficient Organometallic Catalyst Through Computatic		
School Texas Academy Of Mathematics & Science	Advisor Tom Cundari	

Second Place: Rony Raju	Division: I	01230
Project: Battle Of The Electrolytes		
School Harmony School Of Innovation	Advisor Jun Guo	

Third Place: John M. Leitch	Division: I	01495
Project: Which Chemical Preserves Meat The Longest?		
School Harmony Science Academy	Advisor Yusuf Akpinar	



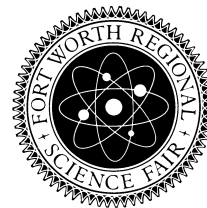
Fort Worth Regional Science Fair Winners Directory

Award: **Computer Science**

First Place: Favyen Bastani	Division: I	01187
Project: Prefix-tree Based Anomaly Detection In Critical Software Systems		
School: Texas Academy Of Mathematics & Science	Advisor: Richard Sinclair	

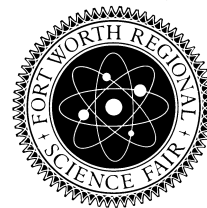
Second Place: Justin X. Zhao	Division: I	01197
Project: Computationally Modeling Infectious Diseases In Diverse Populations To Study Epidemic Dynamics		
School: Texas Academy Of Mathematics & Science	Advisor: Tams Teachers	

Fort Worth Regional Science Fair Winners Directory



Award: **Earth Science**

First Place: Ivey B. Barr	Division: I	01195
Project: Soil Classification		
School Sovereign Grace Academy	Advisor Barr	

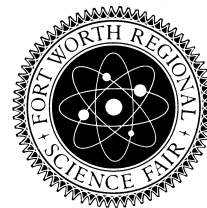


Fort Worth Regional Science Fair Winners Directory

Award: **Energy & Transportation**

First Place: Humza Mohammed	Division: I	01490
Project: Producing Bioethanol From Starch Plants		
School Harmony Science Academy	Advisor Yusuf Akpinar	

Second Place: Patrick A. Yu	Division: I	01358
Project: Viscous Amps: The Correlation Between Viscosity And Conductivity		
School Texas Academy Of Mathematics & Science	Advisor Weathers	



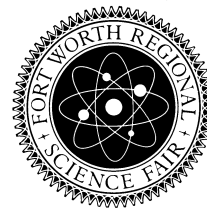
Fort Worth Regional Science Fair

Winners Directory

Award: **Engineering Electrical & Mechanical**

First Place: Alan H. Zhao	Division: I	01542
Project: Random Close Packing Of Spheres In Two-dimensional Space		
School Texas Academy Of Mathematics & Science	Advisor Richard Sinclair	

Second Place: Jae Hyuk Cho	Division: I	01506
Project: Effect Of Wire Thickness On A Tesla Coil's Engery Output.		
School Harmony School Of Innovation	Advisor Jun Guo	



Fort Worth Regional Science Fair

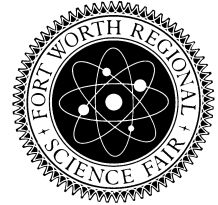
Winners Directory

Award: **Engineering Materials & Bio**

First Place: Renica P. Navea	Division: I	01346
Project: No One Kneeds Stress!		
School Everman High School	Advisor L R. Ritchie	

Second Place: Joshua M. Cristol	Division: I	01327
Project: The Negative And Positive Effects Of Different Materials Ability To Absorb Radar		
School Paschal High School	Advisor Wendy Yanney	

Third Place: Dante Zakhidov	Division: I	01200
Project: Discovering High Mobilities In Novel Organic Low-band Gap Polymers: Pbbtdc & Pddtt		
School Texas Academy Of Mathematics & Science	Advisor Richard Sinclair	



Fort Worth Regional Science Fair

Winners Directory

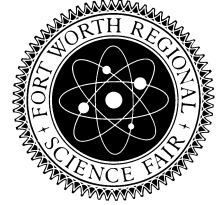
Award: Environmental Science

First Place: Madison K. Gallagher	Division: I	01181
Project: What Is The Effect Of The Village Creek Waste Water Treatment Plant On The Trinity River?		
School Paschal High School	Advisor Wendy Yanney	

Second Place: Riley S. Summer	Division: I	01438
Project: How's The Water In Your Shed?		
School Crossland, Willie And Wanda Intermediate	Advisor Kara Rapp	

Third Place: Anuka Dhakal	Division: I	01454
Project: Is Green Really Green??		
School Harmony Science Academy - Euless	Advisor Kaster	

Fort Worth Regional Science Fair Winners Directory



Award: **Mathematical Science**

First Place: Anjana Ram

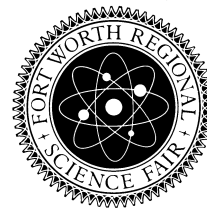
Division: I

01559

Project: **Rbcam-a Rule-based Disease Trending Tool**

School **Texas Academy Of Mathematics & Science**

Advisor **Laksnarain Ram**



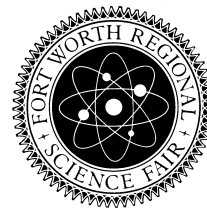
Fort Worth Regional Science Fair

Winners Directory

Award: **Medicine and Health**

First Place: Malina C. Patel	Division: I	01167
Project: Emt-induced Nq01 Levels Increases Susceptibility To Nq01-bioactivated Drugs		
School Texas Academy Of Mathematics & Science	Advisor Allen	

Second Place: Peter Wu	Division: I	01172
Project: Microfluidic Device: A Novel Method For The Discovery Of Cancer Metastasis Biomarkers		
School Texas Academy Of Mathematics & Science	Advisor Dr Chiao	



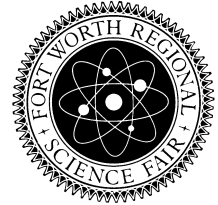
Fort Worth Regional Science Fair

Winners Directory

Award: **Microbiology**

First Place: Thomas L. Savage	Division: I	01238
Project: Fungal Fun		
School Azle High School	Advisor Monica Amyett	

Second Place: Ana L. Contreras	Division: I	01487
Project: Disinfectants And Bacteria		
School Harmony Science Academy	Advisor Yusuf Akpinar	



Fort Worth Regional Science Fair

Winners Directory

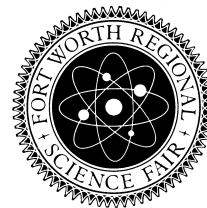
Award: **Physics and Astronomy**

First Place: Sai P. Gourisankar	Division: I	01242
Project: Novel Mathematical Characterizations Of The One-dimensional, Self-graviating System		
School Paschal High School	Advisor Wendy Yanney	

Second Place: Matthew W. Krenik	Division: I	01383
Project: Analyzing Marangoni Flow For Drug Delivery Applications		
School Texas Academy Of Mathematics & Science	Advisor Richard Sinclair	

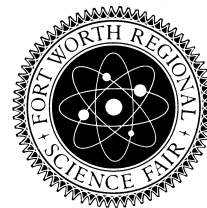
Third Place: Cassondra N. Bannerman	Division: I	01365
Project: The Faraday Effect		
School Everman High School	Advisor L R. Ritchie	

Fort Worth Regional Science Fair Winners Directory



Award: **Plant Sciences**

First Place: Mikaela L. May	Division: I	01126
Project: A Rose Knows: Sugar Vs Artificial Sweeteners		
School: Crowley High School	Advisor: Donaghey	



Fort Worth Regional Science Fair

Winners Directory

Award: **Teams Engineering**

First Place: David L. Chi	Division: I	01458
Project: Operation By Orientation.		

School Texas Academy Of Mathematics & Science	Advisor Richard Sinclair
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First Place: Joe L. Yu	Division: I	01459
Project: Operation By Orientation.		

School Texas Academy Of Mathematics & Science	Advisor Richard Sinclair
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Second Place: Krishna L. Tiwari	Division: I	01308
Project: Conservation Of Tap Water		

School Trinity Valley Lower	Advisor Paul Price
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Second Place: Parth Kalaria	Division: I	01309
Project: Conservation Of Tap Water		

School Trinity Valley Lower	Advisor Paul Price
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Second Place: Arman Sarkar	Division: I	01310
Project: Conservation Of Tap Water		

School Trinity Valley Lower	Advisor Paul Price
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Third Place: Curtis B. Mahlmann	Division: I	01392
Project: Bamboostiks!		

School Azle High School	Advisor Monica Amyett
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Third Place: Krysele B. Martinez	Division: I	01390
Project: Bamboostiks!		

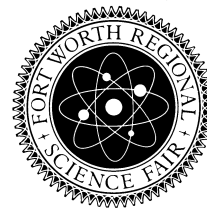
School Azle High School	Advisor Monica Amyett
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Honorable Mention: Zhu Jonethan	Division: I	01560
Project: Bottled Up: Finding A Better Bottle For A Better World		

School Texas Academy Of Mathematics & Science	Advisor Neal Brand
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Fort Worth Regional Science Fair

Winners Directory



Honorable Mention: Vaibhav Gupta

Division: I

01264

Project: **Bottled Up: Finding A Better Bottle For A Better World**

School **Texas Academy Of Mathematics & Science**

Advisor **Neal Brand**

Honorable Mention: Hua-hsin Tai

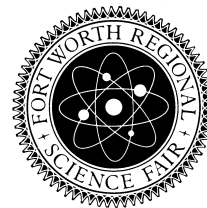
Division: I

01265

Project: **Bottled Up: Finding A Better Bottle For A Better World**

School **Texas Academy Of Mathematics & Science**

Advisor **Neal Brand**



Fort Worth Regional Science Fair

Winners Directory

Award: **Teams Science**

First Place: Adam Su Division: I 01283
Project: **Hamiltonian Cycles In 3d Prime Fields**

School **Texas Academy Of Mathematics & Science** Advisor **Richard Sinclair**

First Place: Andrew Shi Division: I 01284
Project: **Hamiltonian Cycles In 3d Prime Fields**

School **Texas Academy Of Mathematics & Science** Advisor **Richard Sinclair**

First Place: Joshua Y. Cai Division: I 01282
Project: **Hamiltonian Cycles In 3d Prime Fields**

School **Texas Academy Of Mathematics & Science** Advisor **Richard Sinclair**

Second Place: Morgan S. Braun Division: I 01289
Project: **Herbal Cure**

School **Westlake Academy** Advisor **Kristin Jernigan**

Second Place: Taylor M. Braun Division: I 01290
Project: **Herbal Cure**

School **Westlake Academy** Advisor **Kristin Jernigan**

Third Place: Kyle Cavazos Division: I 01258
Project: **Risky Business: Teenagers And Group Polarization**

School **Northwest High School** Advisor **Janice Forehand**

Third Place: Lindsay C. Gardner Division: I 01259
Project: **Risky Business: Teenagers And Group Polarization**

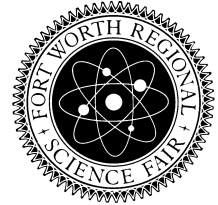
School **Northwest High School** Advisor **Jill Compher**

Honorable Mention: Shayne T. Meeker Division: I 01404

Project: **Levels Of Renal 11-2-hydroxysteroid Dehydrogenase (hsd-2) In Two Models Of Hypertension: Genetic And Environmental**

School **Harmony Science Academy** Advisor **Yusuf Akpinar**

Fort Worth Regional Science Fair Winners Directory



Honorable Mention: Chris Manfield

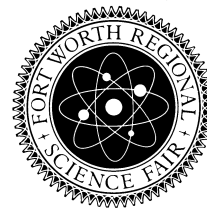
Division: **I**

01391

Project: **Levels Of Renal 11-2-hydroxysteroid Dehydrogenase (hsd-2) In Two Models Of Hypertension: Genetic And Enviromental**

School **Harmony Science Academy**

Advisor **Yusuf Akpinar**

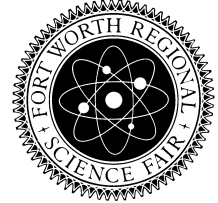


Fort Worth Regional Science Fair Winners Directory

Award: **Animal Science**

First Place: Victoria G. Smith	Division: II	01403
Project: Pick Color, Any Color.		
School North Joshua Elementary	Advisor Blair	

Second Place: Camille D. Trimble	Division: II	01178
Project: Birdseed Vs. Birdseed		
School Liberty Christian School	Advisor Barbara Snowden	



Fort Worth Regional Science Fair

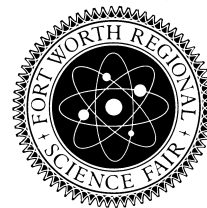
Winners Directory

Award: **Behavior & Social Science**

First Place: Lily G. Thornton	Division: II	01380
Project: Jumping With The Stars		
School Acton Middle School	Advisor Scott Carpenter	

Second Place: Hannah G. Gersch	Division: II	01193
Project: Communication, What's The Best For Delayed Recall?		
School St Maria Goretti Catholic Sch	Advisor Gary Spaulding	

Third Place: Leah M. Haynes	Division: II	01130
Project: Rawr!?		
School Loflin, RC Middle	Advisor Tammy Watts	



Fort Worth Regional Science Fair

Winners Directory

Award: **Biochemistry**

First Place: Grayson C. Hackler

Division: **II**

01425

Project: **Time To Dye.**

School **Christian Cottage Prep**

Advisor **Teri Willis**

Second Place: Andrew C. Vick

Division: **II**

01423

Project: **You'd Be Floored.**

School **Liberty Christian School**

Advisor **Lisa Deaver**

Third Place: Cara L. Loehding

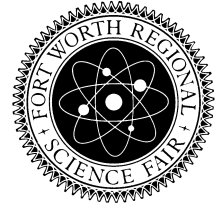
Division: **II**

01149

Project: **Extracting Apple Juice With Pectinase**

School **Harmony School Of Innovation**

Advisor **Jun Guo**

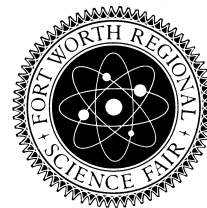


Fort Worth Regional Science Fair

Winners Directory

Award: **Cellular & Molecular Biology**

First Place: Michael J. Bamberg	Division: II	01183
Project: If You Separated Dna From Its Cellular Component, Will It Survive?		
School Plum Creek Elementary	Advisor Lasater	



Fort Worth Regional Science Fair

Winners Directory

Award: **Chemistry**

First Place: Megan B. McDivitt

Division: **II**

01177

Project: **Minerals Of A Lifetime**

School **Liberty Christian School**

Advisor **Lisa Deaver**

Second Place: Ian A. Orantes

Division: **II**

01354

Project: **Glue's Clues**

School **Christian Cottage Prep**

Advisor **Teri Willis**

Third Place: Aliyenur Aslan

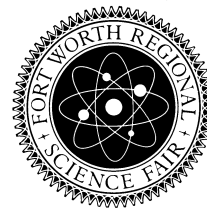
Division: **II**

01228

Project: **Do Organic Or Non-organic Fruits And Begetabl**

School **Harmony Science Academy - Eules**

Advisor **Mr Cevik**



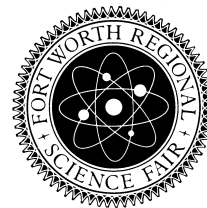
Fort Worth Regional Science Fair

Winners Directory

Award: **Computer Science**

First Place: Ian M. Korpi	Division: II	01389
Project: Browser Battles		
School Harmony Science Academy - Eules	Advisor Mr Cevik	

Second Place: Karl M. Shaffer	Division: II	01344
Project: How Room Temperature Affects A Computer		
School St Elizabeth Ann Seaton	Advisor Katherine Arnold	



Fort Worth Regional Science Fair

Winners Directory

Award: **Earth Science**

First Place: Brandon C. Mcrae

Division: **II**

01522

Project: **The Earth's Heat**

School **Harmony Science Academy**

Advisor **Topallar**

Second Place: Darrel Dennis

Division: **II**

01232

Project: **Which Sedimentary Rock Is The Best Storage For Petroelum Oil**

School **Harmony Science Academy - Euless**

Advisor **Mr Cevik**

Third Place: Randy J. Orona

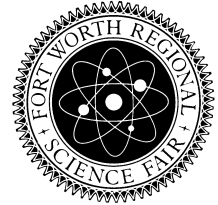
Division: **II**

01248

Project: **Organic Verses Inorganic Fertilizer**

School **Harmony Science Academy - Euless**

Advisor **Mr Cevik**



Fort Worth Regional Science Fair

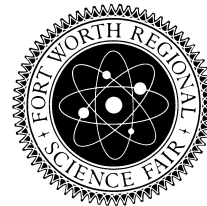
Winners Directory

Award: **Energy & Transportation**

First Place: Michael A. Mong	Division: II	01146
Project: Geobacter-the Electricity Producing Bacteria		
School St Elizabeth Ann Seaton	Advisor Arnold	

Second Place: Narahari V. Bharadwaj	Division: II	01234
Project: Solarama		
School Harmony Science Academy - Euless	Advisor Mr Cevik	

Third Place: Drew R. Riethman	Division: II	01360
Project: Pump It Up!		
School St Elizabeth Ann Seaton	Advisor Katherine Arnold	



Fort Worth Regional Science Fair

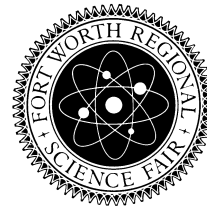
Winners Directory

Award: **Engineering Electrical & Mechanical**

First Place: Logan M. Zartman	Division: II	01541
Project: Wireless Power: Who Needs Cords?		
School Harmony Science Academy	Advisor T Parks	

Second Place: Nolan H. Perry	Division: II	01528
Project: Why My Wi-fi Flies		
School Loflin, RC Middle	Advisor Wendy Phil	

Third Place: Ryder B. Prickett	Division: II	01530
Project: Watts Up (the Effect Of Mirrors On Solar Output)		
School Harmony School Of Innovation	Advisor Yildirim Suleyman	



Fort Worth Regional Science Fair

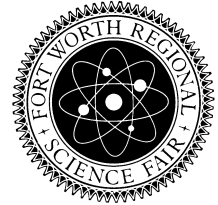
Winners Directory

Award: Engineering Materials & Bio

First Place: Aneesha S. Puppala	Division: II	01317
Project: Recycled Foam Mixed In Soil To Isolate Thermal Changes In A Residential Home		
School Harmony Science Academy - Euless	Advisor Mehmet	

Second Place: Jennifer A. Boldenow	Division: II	01334
Project: What Truss Do You Trust?		
School Acton Middle School	Advisor Scott Carpenter	

Third Place: Meghan L. Rosprim	Division: II	01127
Project: Filtration Anticipation		
School Liberty Christian School	Advisor Ms. Michalek	



Fort Worth Regional Science Fair

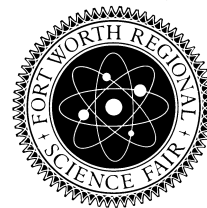
Winners Directory

Award: **Environmental Science**

First Place: Cameron A. Brasher	Division: II	01320
Project: Oil Drill! Oil Spill! What To Use To Clean Up This Ordeal?		
School Liberty Christian School	Advisor Lisa Deaver	

Second Place: Zachary E. Taqi	Division: II	01453
Project: Algae... Fuel Of The Future?		
School Harmony Science Academy - Euless	Advisor Mehmet	

Third Place: Milad Y. Najafabadi	Division: II	01468
Project: Carbon Filter Fun!		
School Harmony Science Academy	Advisor Sarah E. Nickolson	



Fort Worth Regional Science Fair

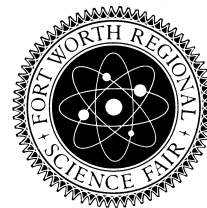
Winners Directory

Award: **Mathematical Science**

First Place: Scarlet Oakley	Division: II	01144
Project: Shall I Compare Thee To A Summer		
School Westlake Academy	Advisor Tara Schwirtz	

Second Place: Kyle L. Aubert	Division: II	01342
Project: Creating The Optimal Baseball Lineup		
School St Elizabeth Ann Seaton	Advisor Katherine Arnold	

Third Place: Cassie D. Wright	Division: II	01437
Project: Soccer Smart.		
School Loflin, RC Middle	Advisor Mrs Phillips	



Fort Worth Regional Science Fair

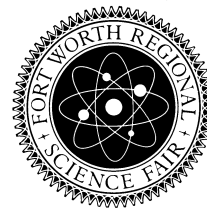
Winners Directory

Award: Medicine and Health

First Place: Hunter D. Snowden	Division: II	01159
Project: Video Game Player: Couch Potato Or Athlete?		
School Liberty Christian School	Advisor Barbara Snowden	

Second Place: Zuhayr Z. Madinawala	Division: II	01401
Project: Vitamin C In Fruits, Vegetables		
School Harmony Science Academy - Euless	Advisor Mehmet	

Third Place: Thomas P. Wallace	Division: II	01430
Project: Are All Carbohydrates Created Equal?		
School Granbury Middle	Advisor Megan Vahlenkamp	



Fort Worth Regional Science Fair

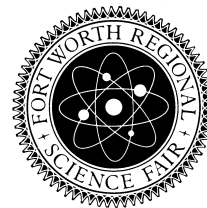
Winners Directory

Award: **Microbiology**

First Place: Emran Shafaq	Division: II	01461
Project: The Effect Of Bottle Opacity On E. Coli Disinfection		
School Harmony Science Academy	Advisor Sarah E. Nickolson	

Second Place: Dakota R. Sanchez	Division: II	01237
Project: Be Careful What You Touch?		
School Liberty Christian School	Advisor Barbara Snowden	

Third Place: Lindsay K. Carr	Division: II	01337
Project: Straw Or No Straw		
School Loflin, RC Middle	Advisor Tammy Watts	



Fort Worth Regional Science Fair

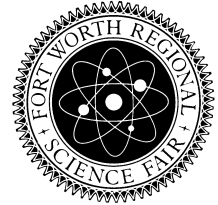
Winners Directory

Award: **Physics and Astronomy**

First Place: Christy D. Pounder	Division: II	01240
Project: Effects Of Microbes On Germination		
School Christian Cottage Prep	Advisor Teri Willis	

Second Place: Max J. Aransen	Division: II	01251
Project: The Effect Of The Blade Angle On A Water Turbine		
School St Maria Goretti Catholic Sch	Advisor Gary Spaulding	

Third Place: Afeefah F. Khazi-Syed	Division: II	01433
Project: Light! Frequency! Energy!		
School Harmony Science Academy	Advisor Topallar	



Fort Worth Regional Science Fair

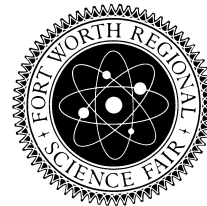
Winners Directory

Award: **Plant Sciences**

First Place: Janneke T. Deboer	Division: II	01205
Project: Effects Of Microbes On Germination		
School Christian Cottage Prep	Advisor Teri Willis	

Second Place: Adithya N. Pillai	Division: II	01231
Project: Unleashing The Power Of Vitamin C		
School Harmony School Of Innovation	Advisor Yildirim Suleyman	

Third Place: Ryan M. Wagner	Division: II	01186
Project: Does Grey Water Affect The Growth Of Plants?		
School St Maria Goretti Catholic Sch	Advisor Gary Spaulding	



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Winners Directory

Award: **Teams Science**

First Place: Kelly Jimenez Division: **II** **01263**
 Project: **The Effects Of Motor Oil On Soil Chemistry And Percolation Depth**

School **Applied Learning Academy** Advisor **Denise Gordon**

First Place: Janet G. Diaz Division: **II** **01262**
 Project: **The Effects Of Motor Oil On Soil Chemistry And Percolation Depth**

School **Applied Learning Academy** Advisor **Denise Gordon**

Second Place: Rebecca L. Finley Division: **II** **01325**
 Project: **Low Fat Vs. Full Fat Food**

School **Harmony Science Academy - Euless** Advisor **Mehmet**

Second Place: Qainat Muhammad Division: **II** **01552**
 Project: **Low Fat Vs. Full Fat Food**

School **Harmony Science Academy - Euless** Advisor **Kaster**

Third Place: Rebecca E. Traynor Division: **II** **01260**
 Project: **Flowerpower**

School **St Elizabeth Ann Seaton** Advisor **Katherine Arnold**

Third Place: Grace K. Goulet Division: **II** **01261**
 Project: **Flowerpower**

School **St Elizabeth Ann Seaton** Advisor **Katherine Arnold**

Honorable Mention: Tia L. Sanford Division: **II** **01304**
 Project: **Will A Magnets Strength Be Weaker Or Stronger Due To Temperature?**

School **Acton Middle School** Advisor **Scott Carpenter**

Honorable Mention: Samantha E. Reynolds Division: **II** **01305**
 Project: **Will A Magnets Strength Be Weaker Or Stronger Due To Temperature?**

School **Acton Middle School** Advisor **Scott Carpenter**

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Winners Directory

