

Lehigh Valley Science Fair 2017 Awards List

Senior Fair (A) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	A0101	<i>Empathy in the Digital Age</i> Cassidy Power - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Senior Fair (A) - Biochemistry (200)

Award		Project	Del Val
1st Place	A0202	<i>How Does Ambient Temperature Affect Action Potentials?</i> Alex Blumenthal - Easton Area High School Sponsor - Penny Diehl	<input checked="" type="checkbox"/>
2nd Place	A0203	<i>Eggs vs Teeth</i> Ceren Alici - Liberty High School Sponsor - MacLeon Pearson	<input checked="" type="checkbox"/>

Senior Fair (A) - Botany (300)

Award		Project	Del Val
1st Place	A0301	<i>Deadly Wi-Fi; Discovering the Impact of Wireless Networks on Developing "Lolium" Seeds</i> Michael Couch - Easton Area High School Sponsor - Penny Diehl	<input checked="" type="checkbox"/>

Senior Fair (A) - Chemistry (400)

Award		Project	Del Val
1st Place	A0401	<i>The Effects of Blend Ratios on Cold Water Efficiency of Biodiesel</i> GianCarlo Seixas - Liberty High School Sponsor - MacLeon Pearson	<input checked="" type="checkbox"/>
2nd Place	A0402	<i>Banana Peel Polymer as an Alternative to Common Plastics</i> Pedro La Rotta - Liberty High School Sponsor - MacLeon Pearson	<input checked="" type="checkbox"/>

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Junior Fair (B) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	B0101	<i>Judging Creativity: The Effects of Race and Gender</i> Nur Bookwala - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	B0102	<i>What is the Effect of Age and Degree of Attractiveness on the Perception of Beauty in Real vs Composite Faces?</i> Jaspreet Singh - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Junior Fair (B) - Biochemistry (200)

Award		Project	Del Val
1st Place	B0201	<i>Understanding Aging and Cardiovascular Disease: Epigenome Wide Association Methods to Assess the Relationship Between Mitochondrial DNA Copy Number and DNA Methylation</i> Aryaman Khandelwal - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Junior Fair (B) - Chemistry (400)

Award		Project	Del Val
1st Place	B0402	<i>Efficient Method of Producing Large Quantities of Graphene Through Electrochemical Exfoliation of Graphite</i> Seungkwon Son - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	B0404	<i>To what Extent does Vitamin C Decompose Upon Heating?</i> Antonio Diaz - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>
3rd Place	B0403	<i>Does pH Affect Corrosion Rate?</i> Julia Pittre - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>

Junior Fair (B) - Computer (500)

Award		Project	Del Val
1st Place	B0501	<i>Analysis and Optimization of Internet Traffic</i> Man Nguyen - Liberty High School Sponsor - MacLeon Pearson	<input checked="" type="checkbox"/>

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Junior Fair (B) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	B0601	<i>A Comparison of Readings from Self-Made Weather Instruments to those of Professional Weather Service Networks</i> Alaina Castrovinci - Easton Area High School Sponsor - Kathleen Sobkow	<input checked="" type="checkbox"/>

Junior Fair (B) - Engineering (700)

Award		Project	Del Val
1st Place	B0702	<i>Filament Extruder</i> Anish Kaza - Moravian Academy Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>
2nd Place	B0701	<i>Reaction-Diffusion Based Portable Nucleometer Dystem for Zika Virus Diagnosis</i> Vikram Pandian - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Junior Fair (B) - Environmental (800)

Award		Project	Del Val
1st Place	B0801	<i>Toxicity Assessment of Fracking Impacts Using a Paphnia In Vivo Bioassay</i> Neela Talwar - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	B0803	<i>Utilizing Paper Contortions to Maximize the Efficiency of Water Harvesting</i> Yee Chan - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Junior Fair (B) - Mathematics (1000)

Award		Project	Del Val
1st Place	B1001	<i>Using Graph Theory to Analyze Genomic Data</i> Elizabeth Marlin - Our Lady of Mt. Carmel Homeschool Sponsor - John Marlin	<input checked="" type="checkbox"/>

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Junior Fair (B) - Medicine & Health (1100)

Award		Project	Del Val
1st Place	B1101	<i>Advancing Microtubule-Stabilizing Inhibitors' Influence on Multidrug Resistance and Cancer Metastasis</i> Roy Ghosh - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Junior Fair (B) - Microbiology (1200)

Award		Project	Del Val
1st Place	B1202	<i>Solution to Antibiotic Resistance Using AC Currents and Metal Ions</i> Sumedha Kanthamemi - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	B1201	<i>Murine Exposure to Allergens Evokes an Epithelial Change</i> Nina Cao - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
3rd Place	B1203	<i>Does Honey Kill More E. coli Bacteria than Antibiotics?</i> Gabrielle Soares - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>

Junior Fair (B) - Physics (1300)

Award		Project	Del Val
1st Place	B1301	<i>Manipulation of a Liquid Droplet Using an Electric Field</i> Maanasi Gothoskar - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Junior Fair (B) - Zoology (1400)

Award		Project	Del Val
1st Place	B1401	<i>Regeneration of Planaria</i> Molly Ehrig - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>

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Sophomore Fair (C) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	C0101	<i>Prospect Theory and Rational Choice</i> Christine Hutchinson - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	C0102	<i>Effect of Group Size on Conformity</i> Kaitlyn Hartman - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>

Sophomore Fair (C) - Biochemistry (200)

Award		Project	Del Val
1st Place	C0201	<i>Enzyme Reactions</i> Divisha Singh - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Sophomore Fair (C) - Botany (300)

Award		Project	Del Val
1st Place	C0302	<i>The Effect of Non-Point Hydropollutants on the Percentage of Energy Expenditure Produced By R. Sativus</i> Nehali Gupta - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	C0303	<i>The Effect of Industrial Waste on Plant Life</i> Ethan Hoben - Emmaus High School Sponsor - Brent Landrum	<input checked="" type="checkbox"/>

Sophomore Fair (C) - Chemistry (400)

Award		Project	Del Val
1st Place	C0401	<i>The Effect of Porosity on the Survival of Mesenchymal Stem Cells in Hydrogel Scaffolds</i> Aditi Pallod - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	C0402	<i>The Effect of the Ratio of Potassium Hydroxide Catalyst to Methanol on the Percentage Yield of Palmitic Acid in the Process of Biodiesel Production</i> Sriyaa Suresh - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

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3rd Place	C0403	<i>Which Salt Has the Greatest Heat of Solution</i> Elizabeth Lieb - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>
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Sophomore Fair (C) - Computer (500)

Award		Project	Del Val
1st Place	C0502	<i>Developing a Brain-Computer Interface Application</i> Rhea Kadakla - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	C0501	<i>Solving Vehicle Routing Problem Using an Optimized Heirarchical Algorithm</i> Patricia Yao - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Sophomore Fair (C) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	C0601	<i>The Botanical Battleground with Helianthus Annus and Ipomoea Purpurea</i> Prachi Soni - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Sophomore Fair (C) - Engineering (700)

Award		Project	Del Val
1st Place	C0702	<i>Development of an Optimum Insulating Brick</i> Isha Mohapatra - Moravian Academy Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>
2nd Place	C0703	<i>Building the Most Efficient Bridge</i> Holly Peslis - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>
3rd Place	C0701	<i>Underwater Robot</i> Malaika Shah - Easton Area High School Sponsor - Penny Diehl	<input checked="" type="checkbox"/>

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Sophomore Fair (C) - Environmental (800)

Award		Project	Del Val
1st Place	C0804	<i>Pesticides and Plants</i> Taylor Smith - Easton Area High School Sponsor - Penny Diehl	<input checked="" type="checkbox"/>
2nd Place	C0802	<i>Strengths and Alternative Types of Homemade Paper Using Different Plants</i> Rose Emin - Easton Area High School Sponsor - Penny Diehl	<input checked="" type="checkbox"/>
3rd Place	C0801	<i>Calculating Water Toxicity With a Synthetic Chart and Differentiating pH Levels with Daphnia Magna</i> Urjeet Deshmukh - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Sophomore Fair (C) - Microbiology (1200)

Award		Project	Del Val
1st Place	C1203	<i>Testing the Bactericidal Capability of Different Benzoin Peroxide Medications</i> Vivek Adury - Liberty High School Sponsor - MacLeon Pearson	<input checked="" type="checkbox"/>
2nd Place	C1207	<i>Are UV Treatments Equally Effective in Destroying E. coli from Water Samples in Madagascar?</i> Elizabeth Stifel - Moravian Academy Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>
3rd Place	C1202	<i>Novel Assay to Identify Response of DNA Repair in Mutated Saccharomyces Cerevisiae</i> Priyanka Hanumaihgari - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Sophomore Fair (C) - Physics (1300)

Award		Project	Del Val
1st Place	C1305	<i>The Transition of Newtonian Fluids to Non-Newtonian Fluids</i> Joseph Kurtz - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>
2nd Place	C1303	<i>Efficiency of Conductivity</i> Grace Knauss - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

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3rd Place	C1302	<i>Temperature's Effect on a Ball's Coefficient of Restitution</i>	<input checked="" type="checkbox"/>
		Omar Kenawy - Easton Area High School	
		Sponsor - Penny Diehl	

Ninth Grade Fair (D) - Biochemistry (200)

Award		Project	Del Val
1st Place	D0202	<i>The Effect of Various Neurotransmitters on the Mortality and Chemotaxis of Caenorhabditis Elegans</i>	<input checked="" type="checkbox"/>
		Vidhyasai Annem - Parkland High School	
		Sponsor - Christopher Gahman	

Ninth Grade Fair (D) - Chemistry (400)

Award		Project	Del Val
1st Place	D0401	<i>The Effect of Ion Size on Surface Tension</i>	<input checked="" type="checkbox"/>
		Katherine Martinez - Bethlehem Catholic High School	
		Sponsor - Anthony Messina	

Ninth Grade Fair (D) - Computer (500)

Award		Project	Del Val
1st Place	D0502	<i>SCIN: A Smart Adaptive Machine Learning Application to Detect and Diagnose Human Medical Conditions and Plant Diseases and Disorders</i>	<input checked="" type="checkbox"/>
		Neil Deshmukh - Moravian Academy	
		Sponsor - Gabriella Dee	
2nd Place	D0503	<i>Developing an Artificial Intelligence System to Read MRI Images, X-rays and CT-scans faster and More Accurately than Traditional Radiologists</i>	<input checked="" type="checkbox"/>
		Briana Malik - Parkland High School	
		Sponsor - Christopher Gahman	
3rd Place	D0501	<i>Tensorflow in Medicine: Detecting Retinopathy with Machine Learning</i>	<input checked="" type="checkbox"/>
		Arjun Vedantham - Parkland High School	
		Sponsor - Christopher Gahman	

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Ninth Grade Fair (D) - Engineering (700)

Award	Project ID	Project	Del Val
1st Place	D0706	<i>The Simulation of an Artificial Pancreas Using Bioengineering</i> Punya Bhasin - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	D0705	<i>Developing An Optimal Unconventional Wind Turbine</i> Farid Shahid - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
3rd Place	D0703	<i>Which Type of Calorimeter Works Best for Combustion Analysis?</i> Mark Schadt - Bethlehem Catholic High School Sponsor - Anthony Messina	<input checked="" type="checkbox"/>
Honorable Mention	D0701	<i>The Effects of Blade Sizes on the Efficiency of Wind Turbines</i> Isha Kaza - Moravian Academy Sponsor - Gabriella Dee	<input type="checkbox"/>

Ninth Grade Fair (D) - Environmental (800)

Award	Project ID	Project	Del Val
1st Place	D0802	<i>The Impact of Different Wavelengths of Incident Light on Photovoltaic Output</i> Anya Pant - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Ninth Grade Fair (D) - Mathematics (1000)

Award	Project ID	Project	Del Val
1st Place	D1001	<i>Fractals, Fibonacci Sequences and the Golden Ratio in Music and Art</i> Stefania Schoen - Emmaus High School Sponsor - Brent Landrum	<input checked="" type="checkbox"/>

Ninth Grade Fair (D) - Medicine & Health (1100)

Award	Project ID	Project	Del Val
1st Place	d1103	<i>Unfolding WF's Mysteries: Impact of Genetic Mutations and Pathology on vSF's A2 Domain Mechanosensitivity</i> Prathysha Kothare - Sponsor - Brian Holtzhafer	<input checked="" type="checkbox"/>

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2nd Place	D1102	<i>The Time it Takes for Different Pill Types to Dissolve</i> Maya Paul - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
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Ninth Grade Fair (D) - Microbiology (1200)

Award		Project	Del Val
1st Place	D1203	<i>The Effect of an Herbicide on the Growth of Bacteria</i> Maya Parekh - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>
2nd Place	D1202	<i>The Slective Regeneration and Isolation of Dopaminergic Neuronal Stem Cels</i> Rhea Malhotra - Moravian Academy Sponsor - Gabriella Dee	<input checked="" type="checkbox"/>
3rd Place	D1201	<i>The Antibacterial Activity of Graphene Oxide Against Bacteria</i> Sahas Veera - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Ninth Grade Fair (D) - Physics (1300)

Award		Project	Del Val
1st Place	D1301	<i>Does a Vaccum Insulated Window Insulate Better than Convention Windows?</i> Harper Chisari - Parkland High School Sponsor - Christopher Gahman	<input checked="" type="checkbox"/>

Eighth Grade Fair (E) - Behavior & Social Sciences (100)

Award		Project	Del Val
1st Place	E0102	<i>Variations of the Stroop Effect: Kids vs Adults</i> Kavin Sampath - Moravian Academy Sponsor - Joanne Daniels	<input checked="" type="checkbox"/>
2nd Place	E0103	<i>The Effect of Color on Flavor Identification</i> Grace Bachrach - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
3rd Place	E0104	<i>How Do We Perceive Our Own Voices?</i> Cecelia Puso - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>

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Eighth Grade Fair (E) - Biochemistry (200)

Award	Project	Del Val
1st Place	E0205 <i>Seeking a Cure for Schizophrenia - A Bio-Chemical In Vitro Study to Identify the Innibitas of DAAO -Oxidature Deamition</i> Tanya Mehta - Sponsor - Brian Holtzhafer	<input checked="" type="checkbox"/>
2nd Place	E0204 <i>ALS: The Muscle Vandal and How Glutamate Plays a Role in It</i> Aishani Ramoju - Sponsor - Brian Holtzhafer	<input type="checkbox"/>
3rd Place	E0201 <i>How do Different Types of Antacids Affect the pH Level of Hydrochloric Acid?</i> Vani Kamra - Sponsor - Susan Stern	<input type="checkbox"/>
Honorable Mention	E0202 <i>The Effect of Temperature on the Amount of Oxygen Produced by the Peroxidase Enzyme</i> Ankhitha Manjunatha - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>

Eighth Grade Fair (E) - Botany (300)

Award	Project	Del Val
1st Place	E0303 <i>The Effect of Various Pollutants on the Growth of an Aquatic Plant</i> Purva Gupta - Springhouse Middle School Sponsor - Susan Stern	<input checked="" type="checkbox"/>
2nd Place	E0301 <i>Effect of Water Temperature on Plant Height</i> Julian Reester - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
3rd Place	E0304 <i>Radical Radishes</i> Meghan Thornburg - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>

Eighth Grade Fair (E) - Chemistry (400)

Award	Project	Del Val
1st Place	E0407 <i>Delivery Method of a Drug and the Affect on Dissolution Rate</i> Arti Dhareshwar - Springhouse Middle School Sponsor - Scott Bauer	<input checked="" type="checkbox"/>

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2nd Place	E0404	<i>Different Types of Milk and the Amount of Lactose they Contain</i> Akshatha Manjunatha - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
3rd Place	E0419	<i>Solubility and Viscosity</i> Thomas Theiner - Sponsor - Brian Holtzhafer	<input type="checkbox"/>
Honorable Mention	E0402	<i>The Effect of the Amount of Time on How Much Water is Absorbed</i> Adriana Berdecia Colon - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
Honorable Mention	E0410	<i>Does a Cookie Baking Sheet Change a Cookie's Height and Width?</i> Snehal Gupta - Sponsor - Susan Stern	<input type="checkbox"/>
Honorable Mention	E0412	<i>Photoelectrochemical Water Splitting</i> Ee-Ning Ooi - Springhouse Middle School Sponsor - Susan Stern	<input type="checkbox"/>
Honorable Mention	E0417	<i>Reaction rates: Temperature and Iodine Clock Reaction</i> Tanaysha Torres - Broughal Middle School Sponsor - Lori Cirucci	<input type="checkbox"/>

Eighth Grade Fair (E) - Computer (500)

Award		Project	Del Val
1st Place	E0502	<i>Smart Medicine Reminder with Audio and Visual Notifications</i> Udit Garg - Springhouse Middle School Sponsor - Daniel Christman	<input checked="" type="checkbox"/>
2nd Place	E0503	<i>A Novel Implementation of RFID Technology</i> Dharshan Tharumia - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>
3rd Place	E0501	<i>Program Trouble?</i> Joseph Shehadeh - Sponsor - Brian Holtzhafer	<input type="checkbox"/>

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Eighth Grade Fair (E) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	E0601	<i>Going Solar</i> Julianne Dee - Sponsor - Jason Klinger	<input checked="" type="checkbox"/>

Eighth Grade Fair (E) - Engineering (700)

Award		Project	Del Val
1st Place	E0706	<i>Efficiency of Solar Panels</i> Taran Anantasagar - Springhouse Middle School Sponsor - Susan Stern	<input checked="" type="checkbox"/>
2nd Place	E0708	<i>Which Dielectric Works Best to Maximize the Capacitance if a Capacitor?</i> Benjamin Esquieres - Springhouse Middle School Sponsor - Susan Stern	<input type="checkbox"/>
3rd Place	E0701	<i>3D Printing Sample Strength Analysis</i> Luke Gutman - Sponsor - Christie Schlaner	<input type="checkbox"/>
Honorable Mention	E0704	<i>The Output of Wind Turbines</i> Ronak Singh - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>
Honorable Mention	E0707	<i>The Effect of Soundproofing Materials on Sound Insulation</i> Pranav Balabhadra - Springhouse Middle School Sponsor - Susan Stern	<input type="checkbox"/>

Eighth Grade Fair (E) - Environmental (800)

Award		Project	Del Val
1st Place	E0802	<i>The Effect of Scenedesmus on the Bioremediation of Oil Spills</i> Gokul Perugu - Springhouse Middle School Sponsor - Daniel Christman	<input checked="" type="checkbox"/>
2nd Place	E0805	<i>Testing Environmental Samples with Lettuce Seeds</i> Matthew Wenger - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>
3rd Place	E0806	<i>Surface Tension Effect on Dispersing Oil</i> Jordyn Dauter - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>

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Honorable Mention	E0801	Waste Not, Want Not Aashika Shah - Sponsor - Jason Klinger	<input type="checkbox"/>
Honorable Mention	E0803	Effect of CO2 on Rate of Temperature Dropping Anishka Kakade - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>

Eighth Grade Fair (E) - Mathematics (1000)

Award		Project	Del Val
1st Place	E1001	Prediction of the Stock Market Using the Gaussian Function Neha Skandan - Moravian Academy Sponsor - Joanne Daniels	<input checked="" type="checkbox"/>

Eighth Grade Fair (E) - Medicine & Health (1100)

Award		Project	Del Val
1st Place	E1105	Biometrics of Pitching Jacob Donmoyer - Springhouse Middle School Sponsor - Daniel Christman	<input checked="" type="checkbox"/>
2nd Place	E1106	Does Tea Stain Your Teeth? Hannah Crouthamel - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>

Eighth Grade Fair (E) - Physics (1300)

Award		Project	Del Val
1st Place	E1311	What is the Effect of Different Materials (cardboard, balsa wood, and plastic folder) of a wind power blade on the amount of voltage a wind turbine produces? Vedavyas Jampanaboyana - Springhouse Middle School Sponsor - Scott Bauer	<input checked="" type="checkbox"/>
2nd Place	E1308	The Effect of Cup and Cover Material on Heat Capture Kenny Yip - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
3rd Place	E1319	Refraction Devina Tavathia - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>
Honorable Mention	E1302	What Metal Conducts Electricity thr Best? Samin Latif - Springhouse Middle School Sponsor - Susan Stern	<input type="checkbox"/>

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Honorable Mention	E1305	Cool Roofs Tyler Bartman - Sponsor - Christie Schlaner	<input type="checkbox"/>
Honorable Mention	E1306	The Effect of Parachute Material on the Amount of Time it Takes for the Parachute to Fall Vidyacharan Bakthisaron - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
Honorable Mention	E1307	The Effects of the Number of Propeller Blades on the Amplitude of the Second Waves Created Michael Randall - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
Honorable Mention	E1312	Extracting Energy from Phase Sift in Water Priya Ramprabhu - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>
Honorable Mention	E1313	At what Temperature Does a Ball Bounce Higher? Jane Cho - Springhouse Middle School Sponsor - Susan Stern	<input type="checkbox"/>
Honorable Mention	E1315	The Effect of Sugar Concentration in Water on Light Refraction Sanjiv Parthasarathy - Springhouse Middle School Sponsor - Susan Stern	<input type="checkbox"/>
Honorable Mention	E1318	Bubblology Kerry Fitzgerald - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>

Eighth Grade Fair (E) - Zoology (1400)

Award		Project	Del Val
1st Place	E1402	What is the Effect of Limestone on Acidified Cultures of Daphnia Magna? Rahul Inaganti - Springhouse Middle School Sponsor - Scott Bauer	<input checked="" type="checkbox"/>
2nd Place	E1401	The Effect of Low Levels of pH on the Growth and Survival of Artemia Salina Suchir Agarwal - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
3rd Place	E1403	What Colors Attract Birds? Mercedes Lobb - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>

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Eighth Grade Fair (E) - Team Projects (1500)

Award	Project	Del Val
1st Place	E1506 <i>How to Determine Sound Energy Using a Laser</i> Gabrielle Cadden-James - Arts Academy Charter Middle School Madison Wilson - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input checked="" type="checkbox"/>
2nd Place	E1505 <i>How Does Music Affect Plants?</i> Naomi Adigun - Arts Academy Charter Middle School Madelyn Chase - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>
3rd Place	E1502 <i>Which Popcorn Brand Pops the Most Kernels?</i> Amber Simmons - Arts Academy Charter Middle School Keianna Lopez - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>
Honorable Mention	E1501 <i>Does Eye Color Affect Sight?</i> Maylea Cora - Arts Academy Charter Middle School Austin Derhammer - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>
Honorable Mention	E1503 <i>Does Whitening Toothpaste Work?</i> Emily Garnto - Arts Academy Charter Middle School Ashley Kuhn - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>
Honorable Mention	E1504 <i>What Whitens teeth Best?</i> Claudia Fisch - Arts Academy Charter Middle School Abigail Galrao - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>

Seventh Grade Fair (F) - Behavior & Social Sciences (100)

Award	Project	Del Val
1st Place	F0101 <i>Do Electronics Affect your IQ?</i> Emma Engler - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input checked="" type="checkbox"/>
2nd Place	F0103 <i>Do the Eyes Have it?</i> Jada Snyder - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>

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Seventh Grade Fair (F) - Biochemistry (200)

Award	Project	Del Val
1st Place	F0203 <i>Antioxidant Power!</i> Sana Nauman - Springhouse Middle School Sponsor - Troy Minarovic	<input checked="" type="checkbox"/>
2nd Place	F0204 <i>The Chemistry of Fermentation</i> Dhivya Sheperd - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
3rd Place	F0202 <i>Which Liquid Damages Tooth Enamel the Most?</i> Emily Ervin - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F0201 <i>Type of Liquid Effect on Heat and Freeze Capacity</i> Dhruvi Kadhiwala - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>

Seventh Grade Fair (F) - Botany (300)

Award	Project	Del Val
1st Place	F0301 <i>Caffeine Effects on Plants</i> Kevin Tong - Springhouse Middle School Sponsor - Noel Mahmood	<input checked="" type="checkbox"/>
2nd Place	F0309 <i>Finding Angles of Life</i> Zoe Breininger - Sponsor - Thomas Bryant	<input type="checkbox"/>
3rd Place	F0302 <i>Which Fertilizer will Cause Grass to Grow Taller?</i> Georgi Butch - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F0303 <i>Fertilizer: A Growing Expectation</i> Sophia LaPenta - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F0306 <i>The Effect of Vitamin D on Plant Growth</i> Lalitha Loka - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>
Honorable Mention	F0307 <i>The Effects of Vitamin-D3 on Aloe Vera</i> Prisha Srivastava - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>

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Seventh Grade Fair (F) - Chemistry (400)

Award	Project	Del Val
1st Place	F0403 <i>Fantastic Bioplastic: What is the Effect of Glycerin in Bioplastic on its Decomposition?</i> Vaishnavi Joshi - Springhouse Middle School Sponsor - Troy Minarovic	<input checked="" type="checkbox"/>
2nd Place	F0410 <i>Fixing a "Tight" Situation</i> Emma Carpenetti - Sponsor - Thomas Bryant	<input type="checkbox"/>
3rd Place	F0412 <i>Conductivity of Different Electrolytes in an Aluminum Air Battery</i> Bharat Jayamohan - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F0401 <i>Using Solar Energy to Prevent Corrosion</i> Samit Mohapatra - Moravian Academy Sponsor - Joanne Daniels	<input type="checkbox"/>
Honorable Mention	F0404 <i>The Effect of Temperature on Surface Tension</i> Fyodor D'Souza - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>
Honorable Mention	F0406 <i>What Wood Burns the Hottest?</i> Jacob Eberhardt - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F0407 <i>Heavy Metals in Aquatic Environments</i> Matthew Yusella - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
Honorable Mention	F0408 <i>Burning Wood</i> Liam Skopal - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
Honorable Mention	F0411 <i>Evaluating Oils for Their Biodiesel Potential</i> Katherine Kimball - Sponsor - Dianne Caspersen	<input type="checkbox"/>

Seventh Grade Fair (F) - Computer (500)

Award	Project	Del Val
1st Place	F0501 <i>How Muchs Stress can Java Take?</i> Jonathan Ouf - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input checked="" type="checkbox"/>

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2nd Place	F0502	<i>Interferences Effect on Wifi Signal</i> Uma Purani - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
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Seventh Grade Fair (F) - Earth & Space Sciences (600)

Award		Project	Del Val
1st Place	F0601	<i>Does Different Kind of Mud Effect the Amount of Electricity it Produces?</i> Veda Vundela - Springhouse Middle School Sponsor - Jennifer Karetsky	<input checked="" type="checkbox"/>
2nd Place	F0602	<i>Science Rocks!</i> Alana Stroock - Sponsor - Thomas Bryant	<input type="checkbox"/>

Seventh Grade Fair (F) - Engineering (700)

Award		Project	Del Val
1st Place	F0702	<i>Flying High!!!</i> Eric Colangelo - Sponsor - Amy Kakaley	<input checked="" type="checkbox"/>
2nd Place	F0703	<i>Robotic Recital</i> Akshaya Annampedu - Sponsor - Dianne Caspersen	<input type="checkbox"/>
3rd Place	F0701	<i>The Arm Cadence Alerter</i> Lily Eyvazzadeh - Moravian Academy Sponsor - Joanne Daniels	<input type="checkbox"/>
Honorable Mention	F0704	<i>Homopolar Motor</i> Jesslyn Geevarghese - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F0705	<i>Which Thickness of Copper Wire Best Conducts Electricity?</i> Gabby Landis - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>

Seventh Grade Fair (F) - Environmental (800)

Award		Project	Del Val
1st Place	F0806	<i>Sunscreen and Saltwater Reefs, Not a Good Mix?</i> Lily Mayer - Sponsor - Dianne Caspersen	<input checked="" type="checkbox"/>

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2nd Place	F0801	<i>Does the pH Level of Soil Affect the Rate of Decomposition of Biodegradable Plastic?</i> Sandhya Soundarajan - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
3rd Place	F0810	<i>If Marigolds are Put in Soil, Will they Affect the Amount of Soil Eroded?</i> Kharan Joshi - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F0802	<i>Algae as Biofuel</i> Isaac Daniels - Sponsor - Dianne Caspersen	<input type="checkbox"/>
Honorable Mention	F0808	<i>Dirty Cartons</i> Josephine Gumina - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>
Honorable Mention	F0809	<i>In Which Type of Fertilizer do Plants Grow the Healthiest?</i> Nishka Rajaboina - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>

Seventh Grade Fair (F) - Mathematics (1000)

Award	Project	Del Val
1st Place	F1001 <i>The Golden Ratio</i> Rohan Mehta - Moravian Academy Sponsor - Joanne Daniels	<input checked="" type="checkbox"/>

Seventh Grade Fair (F) - Medicine & Health (1100)

Award	Project	Del Val
1st Place	F1101 <i>Will Citrate Help to Prevent the Formation of New Kidney Stones?</i> Sonia Sandhu - Sponsor - Amy Kakaley	<input checked="" type="checkbox"/>
2nd Place	F1105 <i>Hygroscopic Variation of Foreign Bodies Accidentally Inserted into Children's Noses</i> Shaiyan Feisal - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>
3rd Place	F1104 <i>What Happens when Egg Shells Stay in Different Drinks for About Forty Days?</i> Angie Rupay - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>

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Seventh Grade Fair (F) - Physics (1300)

Award	Project	Del Val
1st Place	F1308 <i>Sounds Amazing!: Frequencies and Volume of a Selfmade Speaker</i> Adrian Guenther - Sponsor - Thomas Bryant	<input checked="" type="checkbox"/>
2nd Place	F1317 <i>How Far Will it Go? Maximizing Distance Using the Launch Angle</i> Victor Cai - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
3rd Place	F1304 <i>Rotor Blade's Shape Effect on Lift</i> Ella Wu - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F1303 <i>How Much Power do your Pennies Hold?</i> Eshan Reed - Sponsor - Amy Kakaley	<input type="checkbox"/>
Honorable Mention	F1305 <i>What Materials Block Radio Waves and Why?</i> Theodoros Vasilopoulos - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F1306 <i>Need for Speed</i> Tyler Hoysan - Sponsor - Thomas Bryant	<input type="checkbox"/>
Honorable Mention	F1307 <i>The Truth About Fishing Lines</i> Brody Ritter - Sponsor - Thomas Bryant	<input type="checkbox"/>
Honorable Mention	F1312 <i>Refrigerator Without Electricity</i> Ansh Malik - Eyer Middle School Sponsor - Vikas Malik	<input type="checkbox"/>
Honorable Mention	F1318 <i>Soccer Footing vs Distance</i> Krystal Hinkle - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F1319 <i>Which Material Shields the Most Electromagnetic Field Strength from an Electronic Device?</i> Nicholas Golovanov - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>
Honorable Mention	F1321 <i>The Real Velocity</i> Sanjay Vuttrapally - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>

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Honorable Mention	F1324	<i>Does the Type of Metal Wire Affect Thermal Conductivity?</i> Michael Li - Springhouse Middle School Sponsor - Jennifer Karetsky	<input type="checkbox"/>
Honorable Mention	F1325	<i>How Well Do Different Colors Affect UV Radiation?</i> Maheshwari Aditi - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>

Seventh Grade Fair (F) - Zoology (1400)

Award		Project	Del Val
1st Place	F1406	<i>Hatching a New Idea to Incubate Chicks</i> Hana Yang - Sponsor - Dianne Caspersen	<input checked="" type="checkbox"/>
2nd Place	F1401	<i>Bird Vision</i> Matthew Weber - Sponsor - Thomas Bryant	<input type="checkbox"/>
3rd Place	F1407	<i>Cockroach Repellent</i> Elizabeth Shaw - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
Honorable Mention	F1402	<i>Your Fish and Hue</i> Ashlyn Hillanbrand - Sponsor - Thomas Bryant	<input type="checkbox"/>
Honorable Mention	F1403	<i>Bitter Beetles and Their Life Cycle</i> Reagan Kinney - Sponsor - Thomas Bryant	<input type="checkbox"/>

Seventh Grade Fair (F) - Team Projects (1500)

Award		Project	Del Val
1st Place	F1504	<i>What Diaper Brand Soaks up Liquid Better and Faster?</i> Emily Rimbey - Arts Academy Charter Middle School Gabrielle Schoener - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input checked="" type="checkbox"/>
2nd Place	F1505	<i>What is the Difference Between Kiwi DNA and Strawberry DNA?</i> Julie Williams - Arts Academy Charter Middle School Gabriella Lozada - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>

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3rd Place	F1502	<i>Melting Galium</i> Ashlyn Leary - Arts Academy Charter Middle School Nicole Melo - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>
Honorable Mention	F1501	<i>Structure Stabilities</i> Alexandra Aviles - Arts Academy Charter Middle School Samantha Nicolosi - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>
Honorable Mention	F1503	<i>Sparkling Crystals</i> Lizzie Saunders - Arts Academy Charter Middle School Ashley Rehrig - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>

Sixth Grade Fair (G) - Chemistry (400)

Award	Project		Del Val
1st Place	G0401	<i>Cool Mints</i> Mikaela Ryder - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
2nd Place	G0402	<i>Salt</i> Amanda Koehler - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>

Sixth Grade Fair (G) - Engineering (700)

Award	Project		Del Val
1st Place	G0702	<i>How Much Weight Can Your Boat Float?</i> Mary Jean Thornburg - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
2nd Place	G0703	<i>Beach Erosion</i> Jocelyn Smith - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
3rd Place	G0701	<i>Electricity</i> Henry Zimmerli - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
Honorable Mention	G0704	<i>Calculator Drop Test</i> Rosetta Shupe - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>

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Sixth Grade Fair (G) - Physics (1300)

Award		Project	Del Val
1st Place	G1301	<i>Accurate Field Goals</i> Zachary Neff - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
2nd Place	G1302	<i>Using the Blackboard</i> Colin Griffith - St. Theresa School Sponsor - Constance Sisko	<input type="checkbox"/>
