

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (A) - Behavior & Social Science

Award	Project	ISEF
First Place	A0103 <i>Effects of Exercise on Mental Capacity of Mus musculus over Two Weeks</i> Megan McDonnell - Council Rock High School- South Sponsor - Matthew Ciaudelli	<input type="checkbox"/>
Second Place	A0105 <i>The Effects of Inaudible Sounds on Memory</i> Alexa Gilligan - Bishop Shanahan High School Sponsor - Kathy Gilligan	<input type="checkbox"/>
Third Place	A0110 <i>The Effect of Timbre on Chord Interpretation</i> Mary Connor - Springfield High School Sponsor - Mary Barry/Stephanie Elgart	<input type="checkbox"/>
Honorable Mention	A0106 <i>Effectiveness of Compression Garments on Muscle Recovery</i> Rachel Allen - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
	A0101 <i>Empathy in the Digital Age</i> Cassidy Power - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	A0102 <i>Sleeping Project</i> Ivan Pacheco - SCSSD (Daretown) Sponsor - Rick Hughes	<input type="checkbox"/>
	A0104 <i>The Effect of Video Games on Morality</i> Noelle Mlynarczyk - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
	A0107 <i>Absorption and the Phenomenology of Music</i> Pagona Kytzidis - Cheltenham High School Sponsor - Russell Wolff	<input type="checkbox"/>
	A0108* <i>"Palmar Dermataglyphics" and Personality</i> Ashley Abbonizio - Bishop Shanahan High School Sponsor - Mary Ann Abbonizio	<input type="checkbox"/>
	A0109 <i>The Duration of Music in Music Therapy on the Efficacy of the Treatment</i> Kayleigh Soucy - Toms River High School South Sponsor - Christine Girtain	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (A) - Biochemistry (200)

Award		Project	ISEF
First Place	A0205	<i>Evaluating the Effectiveness of Copper and Silver Ions in Removing Contaminants From Waste Water</i> Shravya Jasti - Holmdel High School Sponsor - Josephine Blaha	<input type="checkbox"/>
Second Place	A0207	<i>How Does Ambient Temperature Affect Action Potentials?</i> Alex Blumenthal - Easton Area High School Sponsor - Penny Diehl	<input type="checkbox"/>
Third Place	A0203	<i>In Silico Quantum Study of Stability of RNA under Radiation on the Mars Mission</i> Carina Tse - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
	A0201	<i>Eggs vs Teeth</i> Ceren Alici - Liberty High School Sponsor - MacLeon Pearson	<input type="checkbox"/>
	A0202	<i>Cellulase Production by Aspergillus Niger</i> Chaitanya Nimmagadda - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	A0204	<i>Research in the Crossbreeding of GMO and non GMO Soybeans</i> Kayleigh McGinley - Council Rock High School- South Sponsor - Matthew Ciaudelli	<input type="checkbox"/>
	A0206	<i>A Possible Treatment of Alzheimer's via Protein Quality Control</i> Richard Niu - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
	A0208	<i>The Effects of pH, Temperature, and Enzyme to Substrate Ratio on Catalase Activity</i> Josiah Greene - Chester County Greene Homeschool Sponsor - David Greene	<input type="checkbox"/>

69th Delaware Valley Science Fair (A) - Botany (300)

Award		Project	ISEF
First Place	A0304	<i>Water Purification of Heavy Metal Ions Using Cilantro, Parsley, and Lettuce</i> Daniel Gulko - Holmdel High School Sponsor - Josephine Blaha	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Second Place	A0303	<i>Development of a Molecular Biomarker for the Prediction of Toxic Algal Blooms</i> Danny Glickman - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
	A0301	<i>The Effects of Different Concentrations of Hydrogen Peroxide on Plant Seed Germination</i> Jessica Rubanich - Council Rock High School- South Sponsor - Matthew Ciaudelli	<input type="checkbox"/>
	A0302	<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 type="checkbox"/>

69th Delaware Valley Science Fair (A) - Chemistry (400)

Award	Project	ISEF
First Place	A0403 <i>Investigation of Effects of Sulfate Attack on Local Atomic Structure of Alkali-Activated Slag Cement</i> Maya Ravichandran - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	A0405 <i>Extracting and Characterizing Biofuels from Spent Coffee Grounds and Waste Pine Needles</i> Sneha Sharma - Holmdel High School Sponsor - Josephine Blaha	<input type="checkbox"/>
Third Place	A0401 <i>Exploring the Reduction of Graphene Oxide</i> Braden Cody - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
Honorable Mention	A0406 <i>Using Light To Find Concentrations</i> Allison Young - Woodstown High School - Pilesgrove High School Sponsor - Chris Rickard	<input type="checkbox"/>
	A0402 <i>Banana Peel Polymer as an Alternative to Common Plastics</i> Pedro La Rotta - Liberty High School Sponsor - MacLeon Pearson	<input type="checkbox"/>
	A0404 <i>The Effects of Blend Ratios on Cold Water Efficiency of Biodiesel</i> GianCarlo Seixas - Liberty High School Sponsor - MacLeon Pearson	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (A) - Computer (500)

Award	Project	ISEF
First Place	A0502 Site Key: A Novel Binding Site Predictor for Ordered Proteins Interacting with Intrinsically Disordered Proteins Sagar Maheshwari - Unionville High School Sponsor - Sandra Litvin	<input type="checkbox"/>
Second Place	A0506 Adversarial Model Networks for Machine Learning Gavin Rees - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
Third Place	A0501 Development of a Daily Educational Android Application Joseph Signorelli - Toms River High School North Sponsor - Christine Girtain	<input type="checkbox"/>
	A0503 Secure Password Generator with User Input Bennett Nolan - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
	A0504 Convolutional Neural Networks and Image Classification Calvin Yu - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	A0505 Modeling Nuclear Contamination with Fractals Briana Cowles - Villa Joseph Marie High School Sponsor - John Boyle	<input type="checkbox"/>

69th Delaware Valley Science Fair (A) - Earth & Space Scienc

Award	Project	ISEF
First Place	A0601 Isolation of LDPE Degrading Bacteria from Landfill Soil Olivia Cantrell - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
Second Place	A0603 Comparison of Different Methods of Mapping Carex kobomugi Noah Weiss - The Marine Academy of Science and Technology Sponsor - Liza Baskin	<input type="checkbox"/>
Third Place	A0602 Determining the Relationship between Side Scan Sonar Backscatter and Sediment Size Denver Bradley - The Marine Academy of Science and Technology Sponsor - Liza Baskin	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (A) - Engineering (700)

Award		Project	ISEF
First Place	A0703	<i>Enhanced Electricity Distribution via Intelligent Interconnected Nodes</i> Spencer Hoffman - Hoffman Homeschool Sponsor - Beth Hoffman	<input type="checkbox"/>
Second Place	A0701	<i>Engineering a Device to Help Deaf Experience Music</i> Alysa Dinh - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
Third Place	A0704	<i>The Effect of Moisture on the Angle of Repose</i> Blya Krouba - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
	A0702	<i>Safety Without Restraint</i> Magdalena Limon-Gutierrez - Woodbridge High School Sponsor - Chris Havrilla	<input type="checkbox"/>
	A0705	<i>Printing the Future: Investigating Conductive Printed Traces for Next Generation Electronics</i> Kerri McBride - McBride Homeschool Sponsor - Kerri McBride	<input type="checkbox"/>
	A0706	<i>Artificial Cartilage Derived from Bioplastic</i> Charlotte Lang - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	A0707	<i>A Novel Device for Eliminating Airborne Pathogens</i> Swathi Pavuluri - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
	A0708	<i>Risk of Concussion Wearing a Riddell 360 Helmet</i> Chloe Wszolek - Council Rock High School- South Sponsor - Matthew Ciaudelli	<input type="checkbox"/>
	A0709	<i>Is Osmosis a Practical Form of Renewable Energy Creation?</i> Harrison Weiss - Cheltenham High School Sponsor - Russell Wolff	<input type="checkbox"/>

69th Delaware Valley Science Fair (A) - Environmental (800)

Award		Project	ISEF
First Place	A0802	<i>Bioremediation of 3-NBA through the Use of Natural Microbes</i> Shreya Chodisetty - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Second Place	A0804	<i>Investigating the Correlation Between Proximity of Industry and Mercury Concentrations in Local Wildlife</i> Mick Zimmerman - The Marine Academy of Science and Technology Sponsor - Liza Baskin	<input type="checkbox"/>
Third Place	A0805	<i>The Effect of Specific Dyes on Dye-Sensitized Nanocrystalline Solar Cells</i> Matthew Braun - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
Honorable Mention	A0806	<i>Sunscreen's Effect on Bioluminescent Dinoflagellate</i> Regina Salzer - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	A0801	<i>Effect of Water and Fertilizer on Olive Oil Production</i> Alexander Foglia - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
	A0803	<i>Bioremediation Using the Mycelium of Pearl Oyster Mushrooms</i> Piper Jones - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>

69th Delaware Valley Science Fair (A) - Mathematics (900)

Award	Project	ISEF
First Place	A0908 <i>Drone Based Signal Quality Map</i> Karl Roush - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	A0904 <i>Reducing the Dimensionality of Protein Sequences with an Autoencoder</i> William Watkins - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
Third Place	A0902 <i>Analysis of Derelict Fishing Gear in Barnegat Bay</i> Mark Baker - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
Honorable Mention	A0901 <i>Quantifying the Cost for Equitable Fire Engine Company Loads</i> Vivek Gopalan - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
	A0903 <i>The Golden Ratio</i> Natalie Weaver - Springfield High School Sponsor - Mary Barry	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

A0905	<i>Pennsylvania in the 2016 Election and Why it Turned Red</i> Margaret Palko - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
A0906	<i>On the Application of Regular Perturbation Theory to Integrating Factors of ODEs</i> Tom Wade - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
A0907	<i>Statistical Values of Centrality Score</i> Evan Campbell - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>

69th Delaware Valley Science Fair (A) - Medicine & Health (10

Award	Project	ISEF
First Place	A1008 <i>Immunotherapy for Multiple Myeloma Cell Lysis</i> Sanjna Shelukar - Wissahickon High School Sponsor - Christine Brandt	<input type="checkbox"/>
Second Place	A1004 <i>Save the Neurons: Spectral Imaging of Brain Pathology</i> Ashley Cooper - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
Third Place	A1001 <i>The Effects of Calcium on Axon Regeneration in Alzheimer's Disease Using a Caenorhabditis Elegans Model</i> Allyson Winters - Toms River High School North Sponsor - Christine Girtain	<input type="checkbox"/>
	A1002 <i>Do Progressive Glasses Get Remade More Than Single Vision Glasses?</i> Elizabeth Luscavage - Octorara Area High School Sponsor - Lonnie Luscavage	<input type="checkbox"/>
	A1003 <i>Do Males and Females Have the Same Lung Capacity?</i> Madison Fretz - Bishop Shanahan High School Sponsor - Mary Fretz	<input type="checkbox"/>
	A1005 <i>Transforming Vitamin Capsules Into Orally Dissolving Films</i> Shreyaa Kassim - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	A1006* <i>Bicycle helmets and their Protection from Concussion</i> Honorio Torres - Woodbridge High School Sponsor - Rebecca Evaristo	<input type="checkbox"/>
	A1007 <i>Has the Efficacy of Influenza Vaccines Improved?</i> Megan Muller - Bishop Shanahan High School Sponsor - Margaret Muller	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

A1009 ***The Pressure's On!***
Kaitlin Hershey - Bishop Shanahan High School
 Sponsor - April Hershey

69th Delaware Valley Science Fair (A) - Microbiology (1100)

Award	Project	ISEF
First Place	A1105 <i>S. oneidensis MR-1 Redox State and Biosensor Expression</i> Alexis Schneider - Upper Dublin High School Sponsor - Joanne Lilliendahl	<input type="checkbox"/>
Second Place	A1104 <i>Establishing HBV Replicons</i> Rachel Swope - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
Third Place	A1106 <i>Identifying Mutational Spectrum Biases in the SOS Pathway</i> Rachana Mudipalli - Downingtown STEM Academy Sponsor - Zach Hostetler	<input type="checkbox"/>
Honorable Mention	A1103 <i>Antimicrobial Properties of Various Dental Cements</i> Neda Mahjour - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
	A1101 <i>Antibiotic Mechanism-of-Action Monitored with Second-harmonic Laser Scattering</i> Corson Chao - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
	A1102 <i>Lipid Accumulation in Algae Under a Biofuel Lens</i> Joseph Crooks - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>

69th Delaware Valley Science Fair (A) - Physics (1200)

Award	Project	ISEF
First Place	A1201 <i>PROSPECT: Characterization of the Laser Calibration System</i> Le Trinh - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
Second Place	A1208 <i>Stabilizing Einstein-Rosen Bridges</i> Joseph Nagy - Lacey Township High School Sponsor - John Kuzan	<input type="checkbox"/>
Third Place	A1209 <i>Rockets: Engineering the Perfect Flight</i> Jordyn Lynn Armstrong - Villa Joseph Marie High School Sponsor - John Gentile	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Honorable Mention	A1202	<i>Effect of Composition on the Manipulation of Light through Electrically Controlled Polaritons on 2D Materials</i> Nathaniel Watkins - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
	A1203	<i>The Effect of Material Density on Sound Insulation</i> Julianna Ohnjec - Collegium Charter School Sponsor - Leslie Seifert	<input type="checkbox"/>
	A1204	<i>Effect of Different Materials on Reducing the Force of Impact</i> Benjamin Vaupen - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
	A1205	<i>Water Energy</i> Brett Warfield - SCSSD (Daretown) Sponsor - Rick Hughes	<input type="checkbox"/>
	A1206	<i>Acoustical Properties on Various Building Materials</i> Meghan Darcy - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
	A1207	<i>Electrolyte-Battery Effect</i> Hongchen Huang - Northeast High School Sponsor - James Finley	<input type="checkbox"/>

69th Delaware Valley Science Fair (A) - Zoology (1300)

Award	Project	ISEF
First Place	A1303 <i>Planarian C Shape Behavior: Seizure, Pain, or Muscle Contraction</i> Hope Boone - Central High School Sponsor - Van Truong	<input type="checkbox"/>
Second Place	A1302 <i>Quantifying sources of phenotypic variance in fitness-related traits of early life stages of Atlantic Silverside, Menidia menidia</i> Katherine Scott - The Marine Academy of Science and Technology Sponsor - Liza Baskin	<input type="checkbox"/>
Third Place	A1304 <i>Examining the Correlation Between Mercury Concentrations in Tissue, Otoliths, and Fin Clips and Implications for Fisheries Mercury Monitoring Programs</i> Kristen Haynes - The Marine Academy of Science and Technology Sponsor - Liza Baskin	<input type="checkbox"/>
Honorable Mention	A1301 <i>Investigation of the Microbiome of Cephalotes Ants</i> Andrew Huang - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

A1305* ***The Effect of Light on the Circadian Rhythm of Triops***
Alvin Tong - Upper Darby High School
 Sponsor - Roseann Burns

69th Delaware Valley Science Fair (B) - Behavior & Social Science

Award	Project	ISEF
First Place	B0106 <i>An Analysis of the Correlation Between Parenting Styles and the Academic Success of First Born Children</i> Arathi Pillai - Springfield High School Sponsor - Mary Barry/Stephanie Elgart	<input type="checkbox"/>
Second Place	B0107 <i>Exposure to Nature Enhances Mental Health</i> Miles Hanamirian - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
Third Place	B0101 <i>Driving to the Beat</i> Diana Nguyen - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>
Honorable Mention	B0103 <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 type="checkbox"/>
Honorable Mention	B0104 <i>Mandela Madness</i> Laura Olsen - Dock Mennonite Academy High School Sponsor - Kellena Smith	<input type="checkbox"/>
Honorable Mention	B0114 <i>The Effect of Caffeine on Mutant and Wild-Type C. Elegans Twitches</i> Kathryn Medrow - Biotechnology High School Sponsor - Julie Nowicki	<input type="checkbox"/>
	B0102 <i>Aerobic Activities Relation to Cognitive Ability</i> Adil Shad - Charter School of Wilmington Sponsor - Adetola Magbageola	<input type="checkbox"/>
	B0105 <i>The Long-Term Effects of Cognition on Concussion History</i> Adriana Nowrouzi - Marine Academy of Tech/Environmental Sciences Sponsor - John Wnek	<input type="checkbox"/>
	B0108 <i>Assesing The Subitizing Range Through Spatial Patterns</i> Calista Chigbu - Charter School of Wilmington Sponsor - Adetola Magbageola	<input type="checkbox"/>
	B0109 <i>Judging Creativity: The Effects of Race and Gender</i> Nur Bookwala - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

B0110	<i>Effects of Sleep Deprivation on Cognitive Memory</i> David Cheng - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
B0112	<i>The Effect of Music Tempo on Shopping Duration</i> Michael McGarrigle - Springfield High School Sponsor - Mary Barry/Stephanie Elgart	<input type="checkbox"/>
B0113	<i>The Power of GRIT: How can we develop stamina in students?</i> Dayana Lovera - Camden Academy Charter High School Sponsor - Madeline Fenner	<input type="checkbox"/>
B0115	<i>The Effect of the Number of Hours of Sleep on Physical and Cognitive Performance</i> Andrew Cramer - Springside Chestnut Hill Academy Sponsor - Scott Stein	<input type="checkbox"/>
B0116	<i>The Effect of Parental Influence on Adolescent Brand Selection Tendencies</i> Louis Costello - Springfield High School Sponsor - Mary Barry/Stephanie Elgart	<input type="checkbox"/>
B0117	<i>The Experiece of Autonomous Sensory Meridian Response</i> Tiffany Tieu - Cheltenham High School Sponsor - Russell Wolff	<input type="checkbox"/>
B0118	<i>The Halo Effect</i> Christie Campbell - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>

69th Delaware Valley Science Fair (B) - Biochemistry (200)

Award	Project	ISEF
First Place	B0213 <i>Electronic Cigarette Vapor and the Induction of the Xenbiotic Response in Lung Epithelial Cells</i> Natalia Orlovsky - Garnet Valley High School Sponsor - Yevgeniya Orlovsky	<input type="checkbox"/>
Second Place	B0204 <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 type="checkbox"/>
Third Place	B0207 <i>The Effect of Varying Concentrations of Safranin-O on Cold Tolerance of Arabidopsis thaliana</i> Sarah Lin - Biotechnology High School Sponsor - Julie Nowicki	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Honorable Mention	B0209	<i>Investigating Selenium and Sulforaphane as a Treatment for Diabetes through DJ-1 Expression</i> Sanjana Akula - Routh Home School Sponsor - Vanessa Routh	<input type="checkbox"/>
Honorable Mention	B0211	<i>DNA Quantification with Polymerous Chain Reaction in Fragaria x ananassa and Capsicum annum</i> Jonathan Arditi - Owen J Roberts High School Sponsor - Laura George	<input type="checkbox"/>
	B0201	<i>Clot Contraction in Gallus gallus domesticus Blood Thrombocytes</i> Helen Jiang - Central High School Sponsor - Van Truong	<input type="checkbox"/>
	B0202	<i>Effect of Sound Waves on Amyloid Beta Protein</i> Isaac Wilkins - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
	B0203	<i>Do All Proteins Denature at the Same Rate?</i> Sarah Liszewski - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>
	B0205	<i>An Analysis of Drug Development</i> Nathan Wong - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
	B0206	<i>Novel Synthesis of Benzimidazoles</i> Citlalli Jimenez - Bridgeton High School Sponsor - Claudia Angle	<input type="checkbox"/>
	B0208	<i>Anticoagulant and Antimicrobial Properties of Earthworm Tissue</i> Sean Edling - Springside Chestnut Hill Academy Sponsor - Scott Stein	<input type="checkbox"/>
	B0210	<i>Effect of Temperature on Concentration of Starch with Amylase</i> Remya Brown - Wissahickon High School Sponsor - Christine Brandt	<input type="checkbox"/>
	B0212	<i>Analyzing Drug Binding on the Hepatitis B Virus Capsid Protein</i> Lydia Hu - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (B) - Botany (300)

Award	Project	ISEF
First Place	B0308 <i>Molecular-Based Selection for Anthocyanin in Lactuca sativa, Year Two</i> Sophia Swartz - Central Bucks High School- South Sponsor - Brian Testa	<input type="checkbox"/>
Second Place	B0309 <i>The Effect of Methyl Jasmonate Concentrations on Anthocyanin Expression in Wild-type and Mutant Strains of Arabidopsis thaliana</i> Alvin Liu - Biotechnology High School Sponsor - Ann MacLean	<input type="checkbox"/>
Third Place	B0307 <i>Effects of Varying Glucose Concentration on the Growth of Gravity Persistent Signal (gps) Arabidopsis Thaliana Mutants</i> Joe Vecchio - Biotechnology High School Sponsor - Julie Nowicki	<input type="checkbox"/>
Honorable Mention	B0305 <i>The Effect of pH on Chlorophyll Concentration of Raphanus Sativus</i> Matthew Thompson - Wissahickon High School Sponsor - Christine Brandt	<input type="checkbox"/>
	B0301 <i>Which Factors Affect Banana Ripening?</i> Mackenzie Ramsey - Springside Chestnut Hill Academy Sponsor - Scott Stein	<input type="checkbox"/>
	B0302 <i>Comparison of the pH Effect on Petal Pigmentation</i> Ashley Kunkel - Upper Dublin High School Sponsor - Joanne Lilliendahl	<input type="checkbox"/>
	B0303 <i>Rad Radishes</i> Gail Sloh - George Washington High School Sponsor - Anita Abraham	<input type="checkbox"/>
	B0304 <i>Effects of Pollutants on Plant Development</i> Satvik Kakkar - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
	B0306 <i>Molecular Mapping of New Phase Change Mutations in Arabidopsis</i> Myra Granato - Central High School Sponsor - Van Truong	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (B) - Chemistry (400)

Award	Project	ISEF
First Place	B0413 <i>Reducing Protein Aggregation Caused by Metal Ions in Solution</i> Sophia Breslin - Dock Mennonite Academy High School Sponsor - Kellena Smith	<input type="checkbox"/>
Second Place	B0417 <i>Nanocrystalline Chlorophyll Based Photoelectric Cell</i> Shehbeel Arif - Central High School Sponsor - Van Truong	<input type="checkbox"/>
Third Place	B0404 <i>Efficient Method of Producing Large Quantities of Graphene Through Electrochemical Exfoliation of Graphite</i> Seungkwon Son - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
Honorable Mention	B0403 <i>Strength of Different Compositions of Bioplastics</i> Thomas Nguyen - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
Honorable Mention	B0409 <i>Testing the Properties of Shear Thickening Fluids</i> David Li - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
	B0401 <i>Oil Be Gone: Using Electromagnets to Remove Oil From Ocean Water</i> Simon Blanchard - Bishop Shanahan High School Sponsor - David Blanchard	<input type="checkbox"/>
	B0402 <i>Comparison of the Effectiveness of Different Deicers' Ability to Influence Grip on Roads</i> Collin Schmidt - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
	B0405 <i>The Effects of Water Acidity on Goldfish Respiration Rate</i> Grace Cords - Charter School of Wilmington Sponsor - Christopher Kramer	<input type="checkbox"/>
	B0406 <i>Does pH Affect Corrosion Rate?</i> Julia Pittre - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
	B0407 <i>Characterization of Acidic Ionic Liquids</i> Omar Cruz - Bridgeton High School Sponsor - Claudia Angle	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

B0408	<i>Determining the pH Substance of Cranberry Juice Through Titration</i> Sheena Abraham - George Washington High School Sponsor - Anita Abraham	<input type="checkbox"/>
B0410	<i>Detection of Heavy Metal Contamination in Soil Using a Low-Cost Home-Built Spectrometer</i> Avery Cunningham - Lacey Township High School Sponsor - John Kuzan	<input type="checkbox"/>
B0411	<i>The Effects of Gold Nanoparticle Penetration into Saccharomyces cerevisiae Cells</i> Pooja Gouri - Charter School of Wilmington Sponsor - David Stover	<input type="checkbox"/>
B0412	<i>To what Extent does Vitamin C Decompose Upon Heating?</i> Antonio Diaz - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
B0414	<i>Neutralization of Heartburn with Natural vs Synthetic Antacids</i> Nizom Djuraev - George Washington High School Sponsor - Anita Abraham	<input type="checkbox"/>
B0415	<i>Is Sawdust the Best Wood Pulp to Create Pykrete?</i> Timothy Feng - Upper Dublin High School Sponsor - Joanne Lilliendahl	<input type="checkbox"/>
B0416	<i>Effect of Temperature on Antimony Concentration in PET Plastic Water Bottles</i> Arushi Sahay - Unionville High School Sponsor - Sandra Litvin	<input type="checkbox"/>
B0418	<i>The Effects of Wear on Exterior Paint</i> Christina Kim - Charter School of Wilmington Sponsor - Gregory Darone	<input type="checkbox"/>
B0419*	<i>Which Fruit Has the Most Vitamin C?</i> Savannah Schmolz - Schmolz Academy Homeschool Sponsor - Cheryl Schmolz	<input type="checkbox"/>

69th Delaware Valley Science Fair (B) - Computer (500)

Award	Project	ISEF
First Place	B0511 <i>GeoCloud: Cloud Based Mapping and Data Collection Application</i> Michael Grantham - Marine Academy of Tech/Environmental Scien Sponsor - John Wnek	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Second Place	B0510	<i>Discrimination Between Benign and Malignant Mammogram Masses with Deep Learning</i> Chase Reid - Tatnall School Sponsor - Josh Gates	<input type="checkbox"/>
Third Place	B0512	<i>Novel Machine Learning Approach for Somatic SNV Mutations</i> Elektra Benkrid - The Perkiomen School Sponsor - Melinda Irven	<input type="checkbox"/>
Honorable Mention	B0502	<i>Faster Computation for Multi-Body Problems</i> Hyunji Kim - Germantown Friends School Sponsor - Matt Zipin	<input type="checkbox"/>
Honorable Mention	B0503	<i>Image Recognition using Machine Learning and Pattern Recognition</i> Ian Kuo - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
	B0501	<i>Improving Typing Speeds in Latin-Character Based Foreign Languages</i> Patrick Taylor - Charter School of Wilmington Sponsor - Rose Lounsbury	<input type="checkbox"/>
	B0504	<i>An Analysis of the Reliability of Various Dimming Techniques for Visible Light Communication (VLC)</i> Darren Schachter - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
	B0505	<i>Predicting Stock Prices by Algorithmic Sentiment Analysis and Machine Learning</i> Tejas Priyadarshi - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
	B0506	<i>Power Up</i> Gregory Welcome - Temple University Math Science Upward Bound Sponsor - Mathew Scanlan	<input type="checkbox"/>
	B0507	<i>Artificial Neural Networks with Image Processing for Melanoma Diagnosis</i> Ashish Mahuli - Charter School of Wilmington Sponsor - Rose Lounsbury	<input type="checkbox"/>
	B0508	<i>Predictive Modeling of Cardiotoxicity Among Patients Taking Anti-Cancer Drugs</i> Srisa Changolkar - Masterman Sponsor - Kathleen Tait	<input type="checkbox"/>
	B0509	<i>Analysis and Optimization of Internet Traffic</i> Man Nguyen - Liberty High School Sponsor - MacLeon Pearson	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

69th Delaware Valley Science Fair (B) - Earth & Space Scienc

Award	Project	ISEF
First Place	B0603 <i>Quantifying Air Quality from Sky Color</i> William Chen - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Second Place	B0607 <i>The Effect of Wave Attenuation Systems on Fauna in Barnegat Bay</i> Julianna Byrne - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
Third Place	B0601 <i>Terraforming Mars with Cyanobacteria</i> David Fakhraee - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
Honorable Mention	B0605 <i>Do Hurricanes Cool the Ocean?</i> Ryan Puccino - Bishop Shanahan High School Sponsor - Laurie Puccino	<input type="checkbox"/>
Honorable Mention	B0606 <i>Determining a Relationship Between a Sunspot's Integrated Intensity and Magnetic Strength</i> Daniel Gordon - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
	B0602 <i>Does the Moon Affect Oceans</i> Selena Espiet - Bracetti Academy Charter School Sponsor - A Boqlioli	<input type="checkbox"/>
	B0604 <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 type="checkbox"/>

69th Delaware Valley Science Fair (B) - Engineering (700)

Award	Project	ISEF
First Place	B0711 <i>Refining a Novel Device to Decrease the Risk of Vesicovaginal and Rectovaginal Fistula During Labor</i> Lori Zhang - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	B0714 <i>GPS: How to Know Where</i> Sarah Johnson - Wise and Pure Senior High School Sponsor - Audrey Johnson	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Third Place	B0705	<i>A Novel Interactive, Low Cost Assistive Braille Device for Early Braille Learners</i> Pranshu Suri - The Baldwin School Sponsor - Margaret Epstein	<input type="checkbox"/>
Honorable Mention	B0707	<i>Investigating the Seebeck Effect at Ambient Temperatures: A Systems Approach</i> Ashley Pennington - Charter School of Wilmington Sponsor - David Stover	<input type="checkbox"/>
Honorable Mention	B0713	<i>Optimizing the Hydrophilicity of Chemical Vapor Deposition Synthesized Carbon Nanotube Microstructures</i> Kunaal Chaudhari - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
	B0701	<i>Local Drains, Oceanic Effects 2</i> Sydney Iseminger - Bishop Shanahan High School Sponsor - Larry Iseminger	<input type="checkbox"/>
	B0702	<i>Reaction-Diffusion Based Portable Nuclemeter Dystem for Zika Virus Diagnosis</i> Vikram Pandian - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	B0703	<i>Development and Implementation of a High Resolution Vernier Caliper</i> Pradyot Yadav - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
	B0704	<i>Hydrologic Solar Circuit for the Acquisition of Sustainable Energy</i> Isabelle D'Amico - Council Rock High School- South Sponsor - Matthew Ciaudelli	<input type="checkbox"/>
	B0706	<i>Engineering an Affordable and Energy Efficient Home</i> Haley Unthank - Springside Chestnut Hill Academy Sponsor - Scott Stein	<input type="checkbox"/>
	B0708	<i>The Effect of Hydrofoil Angle Modification on the Ratio of Lift to Drag Coefficients</i> Zachary The' - Charter School of Wilmington Sponsor - David Stover	<input type="checkbox"/>
	B0709	<i>Designing a Quadrotor Helicopter Hybrid</i> Dominic Adamo - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
	B0710	<i>Heat Sensing Robotics</i> Zachary Thornton - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

B0712	<i>Project FiKon</i> Omar Swidan - Central High School Sponsor - Van Truong	<input type="checkbox"/>
B0715	<i>Filament Extruder</i> Anish Kaza - Moravian Academy Sponsor - Gabriella Dee	<input type="checkbox"/>

69th Delaware Valley Science Fair (B) - Environmental (800)

Award	Project	ISEF
First Place	B0812 <i>Assessing the Relationship Between Escherichia coli and Other Types of Bacteria in Two Watersheds: Mansquan River and Metedeconk River</i> Lily Brouder - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
Second Place	B0809 <i>Toxicity Assessment of Fracking Impacts Using a Paphnia In Vivo Bioassay</i> Neela Talwar - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
Third Place	B0815 <i>Allelopathic Inhibition of Germination by Invasive Plant Alliaria petiolata</i> Siddharth Gangrade - Charter School of Wilmington Sponsor - Michael Valenti	<input type="checkbox"/>
Honorable Mention	B0801 <i>The Road to Sustainable Energy: A Novel Design and Implementation of Thermoelectric Systems in Asphalt Roadways</i> Yihan Wu - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Honorable Mention	B0816 <i>Mushrooms can save the world</i> Zachary Glass - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>
	B0802 <i>Herbicides and the Ramifications on Aquatic Ecosystems</i> Molly Welby - The Perkiomen School Sponsor - Melinda Irvn	<input type="checkbox"/>
	B0803 <i>The Effects of Water Temperature on Rainbow Trout</i> Nick Fantini - Malvern Preparatory School Sponsor - James Fry	<input type="checkbox"/>
	B0804 <i>The Effect of Urbanization on Water Quality</i> Saira Thomas - Charter School of Wilmington Sponsor - Conrad Rice	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|-------|---|--------------------------|
| B0805 | <i>Utilizing Paper Contortions to Maximize the Efficiency of Water Harvesting</i>
Yee Chan - Parkland High School
Sponsor - Christopher Gahman | <input type="checkbox"/> |
| B0806 | <i>The Association Between pH and Home Lead Testing</i>
Victoria Hoffner - Upper Dublin High School
Sponsor - Joanne Lilliendahl | <input type="checkbox"/> |
| B0807 | <i>Desalinization and Purification of Seawater</i>
Zahra Husain - Unionville High School
Sponsor - Sandra Litvin | <input type="checkbox"/> |
| B0808 | <i>The Effect of Solar Panels on Ambient Temperature of a Closed System</i>
Emily Carroll - Academy of Notre Dame de Namur
Sponsor - Emily Giannantonio | <input type="checkbox"/> |
| B0810 | <i>The Effect of Nitrogen Deprivation on the Oil Yield of <i>Chorella vulgaris</i></i>
Bridgid Chandler - Academy of Notre Dame de Namur
Sponsor - Emily Giannantonio | <input type="checkbox"/> |
| B0811 | <i>Are International Treaties Effective at Reducing Carbon Emissions</i>
Joshua Carney - Bishop Shanahan High School
Sponsor - Elizabeth Carney | <input type="checkbox"/> |
| B0813 | <i>Using Weather Balloons to Release Sulfate into the Stratosphere</i>
Grace Gong - Charter School of Wilmington
Sponsor - Michael Valenti | <input type="checkbox"/> |
| B0814 | <i>Determination of a Causal Link Between Superfund Sites and Cancer Rates</i>
Peter Luba - Methacton High School
Sponsor - Robert Helm | <input type="checkbox"/> |
| B0817 | <i>Ant Farm</i>
Yandra Kamberaj - Philadelphia Academy Charter High School
Sponsor - Joyce Zeka | <input type="checkbox"/> |
| B0818 | <i>The Effect of Urbanization on the Rate of Tree Growth</i>
Lilly Soroko - Springside Chestnut Hill Academy
Sponsor - Scott Stein | <input type="checkbox"/> |
-

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (B) - Mathematics (900)

Award	Project	ISEF
First Place	B0903 <i>The Homotopy Theory of Parametrized Objects</i> Karthik Yegnesh - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Second Place	B0902 <i>The Analysis of the Correlation Between Major Financial Indices</i> Kevin Yan - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Third Place	B0904 <i>Using Graph Theory to Analyze Genomic Data</i> Elizabeth Marlin - Our Lady of Mt. Carmel Homeschool Sponsor - John Marlin	<input type="checkbox"/>
Honorable Mention	B0906 <i>Predicting Domestic Violence Using an Analytical Model</i> John Glasser - Bishop Shanahan High School Sponsor - Diane Glasser	<input type="checkbox"/>
	B0901 <i>Birthday Paradox</i> Michelle Ampofo - Cheltenham High School Sponsor - Russell Wolff	<input type="checkbox"/>
	B0905 <i>Prediction of a Population over Time with a Mathematical Model</i> Amanda Yang - Upper Dublin High School Sponsor - Mike Fogle	<input type="checkbox"/>

69th Delaware Valley Science Fair (B) - Medicine & Health (10)

Award	Project	ISEF
First Place	B1009 <i>A Geographic Analysis of Cancer in the Region</i> Benjamin Antill - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
Second Place	B1008 <i>Understanding the Role of MGluR Astrocytic Receptors on Neuronal Synchronization in Chicken Emryos</i> Anusha Kalavacharla - Collegium Charter School Sponsor - Murali Temburni	<input type="checkbox"/>
Third Place	B1018 <i>Appropriately Delivered Curcumin Causes Recruitment of Natural Killer Cells into Glioblastoma Brain, Stabilizing M1 Polarization of Tumor-Associated Microglia</i> Aheli Chatterjee - Manalapan High School Sponsor - Probal Chatterjee	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Honorable Mention	B1003	<i>The Effect of Lipids on Seizure Inhibition on Mutant and Wild Type C. Elegans</i> Lana Salloum - Biotechnology High School Sponsor - Julie Nowicki	<input type="checkbox"/>
Honorable Mention	B1015	<i>Acne Medications and the Inhibition of Bacterial Growth</i> Silvi Minga - Central High School Sponsor - Robert Herbstritt	<input type="checkbox"/>
	B1001	<i>Development of an Assay to Detect CTNNB1 41-45 Hotspot Mutations</i> Ningjing Ma - Delaware County Christian School Sponsor - Lisa Swieson	<input type="checkbox"/>
	B1002	<i>Advancing Microtubule-Stabilizing Inhibitors' Influence on Multidrug Resistance and Cancer Metastasis</i> Roy Ghosh - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	B1004	<i>Detection of Bacteria in a Wound by pH Color Changing Sutures</i> Carlie Wiseman - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
	B1005	<i>Molecular Effect of BPA on Breast Cancer Cells and Fish Eggs</i> Sejal Suri - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
	B1006	<i>Study of Antidepressant Molecular Structure Leading to Safer Dosing</i> Meera Garg - Charter School of Wilmington Sponsor - Jennifer Toner	<input type="checkbox"/>
	B1007	<i>How Does the Percentage of Anti-Coagulants and Time Affect the Coagulation of Blood?</i> Michele Anzabi - Villa Joseph Marie High School Sponsor - Ellen Leaper	<input type="checkbox"/>
	B1010	<i>The Effect of High Glucose Levels on Heart Muscle Cells</i> Divya Annamalai - Charter School of Wilmington Sponsor - Kris Anania	<input type="checkbox"/>
	B1011	<i>The Effects of Antioxidants on Heart Rates of Daphnia Magna</i> Vidhi Raval - Biotechnology High School Sponsor - Julie Nowicki	<input type="checkbox"/>
	B1012	<i>The Buffering Effects of Baking Soda and Xylitol in addition to Tooth Brushing on Tooth Decay</i> Nadya Felker - Villa Joseph Marie High School Sponsor - Jacqueline Bellerby	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

B1013	<i>Role of Astrocytic mGluRs in the Development of Synchronous Activity of Vertebrate Neurons in Culture</i> Maya Sitaram - Charter School of Wilmington Sponsor - Michael Valenti	<input type="checkbox"/>
B1014	<i>The Effect of Concentrations of L-Glutathione on the Cell Health of Drosophila</i> Bo Ku - Wissahickon High School Sponsor - Christine Brandt	<input type="checkbox"/>
B1016	<i>Cleaning Product killers</i> Sarah Dafils - Girls High School Sponsor - Emily McGady	<input type="checkbox"/>
B1017	<i>The Effects of Tea on the Life Span of Fruit Flies</i> Zhonglinger Lu - George Washington High School Sponsor - Anita Abraham	<input type="checkbox"/>

69th Delaware Valley Science Fair (B) - Microbiology (1100)

Award	Project	ISEF
First Place	B1106 <i>The Efficacy of Clostridia-Mediated Bioethanol Production from Grass</i> Ahmed Taha Shahzad - Unionville High School Sponsor - Sandra Litvin	<input type="checkbox"/>
Second Place	B1110 <i>Sewer Electricity: A Microbial Fuel Cell Powered by Sludge</i> Erica Wu - Holmdel High School Sponsor - Josephine Blaha	<input type="checkbox"/>
Third Place	B1105 <i>Effects of Preservatives and Emulsifiers on Probiotic Bacteria In Vitro</i> Daniel DiPietro - Biotechnology High School Sponsor - Julie Nowicki	<input type="checkbox"/>
Honorable Mention	B1111 <i>The Role of rspB in Salmonella on its Resistance Against Oxidative Stress</i> Akhil Alugupalli - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
	B1101 <i>Analyzing Vacuolar Protein 26A in Landoltia punctate</i> Hamzah Shaikh - Holmdel High School Sponsor - Josephine Blaha	<input type="checkbox"/>
	B1102 <i>The Efficacy of Various Bacteriophages (T4r+, X174, Lambda) on the Lysis of Escherichia Coli</i> Sreekanth Yellanki - Charter School of Wilmington Sponsor - Michael Katz	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|-------|---|--------------------------|
| B1103 | <i>Does Honey Kill More E. coli Bacteria than Antibiotics?</i>
Gabrielle Soares - Bethlehem Catholic High School
Sponsor - Anthony Messina | <input type="checkbox"/> |
| B1104 | <i>The Effect of FOS on the Growth of Lactobacillus</i>
Jiweon Moon - Wissahickon High School
Sponsor - Christine Brandt | <input type="checkbox"/> |
| B1107 | <i>Edeffects of Bisphenols A and S on Neuronal Firing Activity in Vitro Using a Microelectrode Array</i>
Sohan Shah - Charter School of Wilmington
Sponsor - Rose Lounsbury | <input type="checkbox"/> |
| B1108 | <i>Phage Therapy for Beehives Afflicted by American Foulbrood</i>
Donovan Sak - Central Bucks High School- West
Sponsor - Mark Hayden | <input type="checkbox"/> |
| B1109 | <i>Murine Exposure to Allergens Evokes an Epithelial Change</i>
Nina Cao - Parkland High School
Sponsor - Christopher Gahman | <input type="checkbox"/> |
| B1112 | <i>Solution to Antibiotic Resistance Using AC Currents and Metal Ions</i>
Sumedha Kanthamnemi - Parkland High School
Sponsor - Christopher Gahman | <input type="checkbox"/> |
| B1113 | <i>Antiseptic Performance of Raw (Unpasteurized and Unfiltered) Monofloral Honey Compared with Raw Multifloral Honey</i>
Asher Price - Cherry Hill High School East
Sponsor - Aileen Constans | <input type="checkbox"/> |
| B1114 | <i>The Effect of Bacteriophages on Resistant Bacteria</i>
Monique Slowly - Cheltenham High School
Sponsor - Russell Wolff | <input type="checkbox"/> |
| B1115 | <i>Competition between probiotic bacteria and Serratia marcescens</i>
Hongkai Wang - Springside Chestnut Hill Academy
Sponsor - Scott Stein | <input type="checkbox"/> |
| B1116 | <i>Testing of compounds that have the potential to induce the lytic cycle of Epstein-Barr virus</i>
Rohan Nainan - George Washington High School
Sponsor - Anita Abraham | <input type="checkbox"/> |
| B1117 | <i>Triclosan Sounds Fishy</i>
Vashon Chapman - George Washington Carver
Sponsor - Terrence Seales | <input type="checkbox"/> |
-

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (B) - Physics (1200)

Award	Project	ISEF
First Place	B1205 <i>A Determination of a Novel Heat Zone to Optimize Absorption during Optic Fiber Splicing</i> Eric He - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	B1208 <i>Measuring Photon Momentum</i> Eric Jansson - Charter School of Wilmington Sponsor - David Stover	<input type="checkbox"/>
Third Place	B1201 <i>Manipulation of a Liquid Droplet Using an Electric Field</i> Maanasi Gothoskar - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
Honorable Mention	B1204 <i>Mode Locking of Ultra Broadband IR Laser</i> Jonathan Okasinski - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
Honorable Mention	B1206 <i>Modelling and Experimentation of an Electromagnetic Braking System</i> Yuqing Xie - Charter School of Wilmington Sponsor - David Stover	<input type="checkbox"/>
	B1202 <i>Applications of Piezo-Cells in Alternate Energy Generation</i> Samuel Geiser - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
	B1203 <i>Roller Coaster Marbles</i> Christopher Ortlip - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>
	B1207 <i>The Effect of Wavelength on the Observed Bandwidth in an Optics-based Quantum Computing Simulation</i> Christopher Yin - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
	B1209 <i>Effectiveness of Wireless Power Transfer</i> Sahas Kurumety - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
	B1210 <i>Drones: Delivery From Above</i> Daniel Malloy - Malvern Preparatory School Sponsor - Kevin Quinn	<input type="checkbox"/>
	B1211 <i>Lazer Light Jell Show</i> Harving Ortiz - Bracetti Academy Charter School Sponsor - A Boglioli	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

69th Delaware Valley Science Fair (B) - Zoology (1300)

Award		Project	ISEF
First Place	B1304	<i>Electromagnetic Sensitivity of Drosophila melanogaster</i> Amir Shanehsazzadeh - Upper Merion High School Sponsor - Peter vreeland	<input type="checkbox"/>
Second Place	B1305	<i>Biological Impacts of Sunscreen Active Ingredients on Gammarus sp.</i> Sadie Wolfarth - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
Third Place	B1306	<i>The Effect of Different Stimuli on the Aggression of Betta splendens (B. splendens) over time</i> Hyder Alikhan - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
Honorable Mention	B1303	<i>The Effect of Calcium Ion on Drosophila Melanogaster Development</i> Reshma Brown - Wissahickon High School Sponsor - Christine Brandt	<input type="checkbox"/>
	B1301	<i>Regeneration of Planaria</i> Molly Ehrig - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
	B1302	<i>Study of Food Preferences of Mealworm Beetles</i> James (Jinyu) Liu - Springside Chestnut Hill Academy Sponsor - Scott Stein	<input type="checkbox"/>
	B1307	<i>The Directional Stability of the Sail of S. aegyptiacus Compared to Other Vertebrate Fins.</i> Tess Gallagher - Springside Chestnut Hill Academy Sponsor - Scott Stein	<input type="checkbox"/>
	B1308	<i>Difference of Olfactory Scents in Genders</i> Soo-Un Jeong - Upper Dublin High School Sponsor - Joanne Lilliendahl	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Behavior & Social Sci

Award		Project	ISEF
First Place	C0116	<i>The Effect of Humanoid Robot Movement on Emotional Reactions of STEM-Focused Students</i> Lucia Tian - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Second Place	C0119	<i>Analyzing Levels of Concern on Climate Change by Region in the United States</i> Ellie Hulit - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
Third Place	C0108	<i>Do People Hear as Well When They are Visually Focused?</i> Maggie Wilson - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
Honorable Mention	C0102	<i>Effects of Predictability on Inattentional Blindness in Anticipation to Motion Pictures</i> Vivian Lu - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
Honorable Mention	C0105	<i>Juggling Act: Study of Multitasking</i> Megan Herrmann - Downingtown STEM Academy Sponsor - Melissa Herrmann	<input type="checkbox"/>
Honorable Mention	C0107	<i>Effect of Group Size on Conformity</i> Kaitlyn Hartman - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
Honorable Mention	C0110	<i>The Correlation Between Time Restrictions And Test Anxiety</i> Sarah Quigley - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
	C0101	<i>The Effect of Coffee Bean Aroma on the Cognitive Function of Students</i> Alana Pappas - Bishop Shanahan High School Sponsor - Julie O'Hara	<input type="checkbox"/>
	C0103	<i>What Conflicting Mental Tasks Reveal About Thinking: The Stroop Effect</i> Christina Santana - Science Leadership Academy Sponsor - Stephanie Sessa	<input type="checkbox"/>
	C0104	<i>The Effect of Visual, Auditory, and Multisensory Stimulus on Human Reaction Time</i> Sarah Howton - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	C0106	<i>The Effects of Freehand Drawing on Stress Levels in High School Students</i> Landen Tennenbaum - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
	C0109	<i>The Growth of Fear Part III</i> Brigit Joseph - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

C0111	<i>The Physiology of Color</i> Diosmary Chavez - Bracetti Academy Charter School Sponsor - A Boqlioli	<input type="checkbox"/>
C0112	<i>Age's Effect on the Reading and Memorization of Different Sentences</i> Emily Szela - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
C0113	<i>Effect of Mental Priming on Information Recollection</i> Kevin Lamb - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
C0114	<i>Melodic Medicine: How Different Genres of Music Impact Stress</i> Andrew Doyle - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
C0115	<i>P@\$\$w0rd Drills</i> Gabriel Cabrera - Temple University Math Science Upward Bound Sponsor - Terrence Seales	<input type="checkbox"/>
C0117	<i>Prospect Theory and Rational Choice</i> Christine Hutchinson - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
C0118	<i>Comparing the Effectiveness of Self-Talk Using Different Identifiers</i> Sophia Gray - Upper Darby High School Sponsor - Jessica Baton	<input type="checkbox"/>
C0120	<i>Perception of Power</i> Abbielle Lindberg - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Biochemistry (200)

Award	Project	ISEF
First Place	C0205 <i>Effects of Chemical Concentrations on Glucose Levels in the Silkworm, Bombyx mori</i> Vidhya Shunmugasundaram - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
Second Place	C0213 <i>Synthesis of Boron-Based Natural Product Derivatives as Anti-Cancer Agents</i> Anjali Chakradhar - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Third Place	C0206	<i>A Formal Analysis of the Invertase Induced Hydrolysis of Sucrose</i> Ishaan Patel - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Honorable Mention	C0204	<i>The Effect of Polyols on the Lifespan of Drosophila</i> Ben Solomon - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
	C0201	<i>Chemical Parameter Stability in a Recirculating Ocean Acidification System</i> Yaseen Zaky - The Marine Academy of Science and Technology Sponsor - Liza Baskin	<input type="checkbox"/>
	C0202	<i>Can Artificial Photosynthesis Be Superior to Natural Photosynthesis?</i> Kwan Hopkins - Science Leadership Academy Sponsor - Stephanie Sessa	<input type="checkbox"/>
	C0203	<i>Can you Separate Grape Soda using Space Sand</i> Trinady Banks - Bracetti Academy Charter School Sponsor - A Boqlioli	<input type="checkbox"/>
	C0207	<i>The Effect of Contact Solution on S. epidermis and E. coli</i> Mia Heffernen - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	C0208	<i>Enzyme Reactions</i> Divisha Singh - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	C0209	<i>The Corollaries of 1,3,7-Trimethylxanthine and Hydroxyethane</i> Igor Tugluk - Central High School Sponsor - Van Truong	<input type="checkbox"/>
	C0210	<i>How Can Microbial Fuel Cells be Optimized?</i> Shivanand Peri - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	C0211	<i>How To Make An Antioxidant Rich Smoothie</i> Shakti Ramnath - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	C0212	<i>The Impact of Fruit Ripeness on Sugar Content</i> Juliet Marchesani - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	C0214	<i>Development of Aflatoxin in Peanuts before Visible Mold</i> Annabelle Laughlin - Upper Dublin High School Sponsor - Dawn Edelman	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (C) - Botany (300)

Award	Project	ISEF
First Place	C0309 <i>The Effect of Phosphorus-Amended Arbuscular Mycorrhizal Growing Techniques on Brassica juncea Growth</i> Nelson Lin - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	C0306 <i>Efficacy of Vitamin B12 on Escherichia Coli and Pseudomonas fluorescens Inhibition and Applications in Pea Plant Growth</i> Tiara Paul - Biotechnology High School Sponsor - Ann MacLean	<input type="checkbox"/>
Third Place	C0311 <i>Allelopathy: The Novel Weapon of the Invasive Plant</i> Zach Duthie - Upper Dublin High School Sponsor - Megan Gallagher	<input type="checkbox"/>
Honorable Mention	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 type="checkbox"/>
	C0301 <i>Decaffeinated greens</i> Muiyeang Lee - Temple University Math Science Upward Bound Sponsor - Terrence Seales	<input type="checkbox"/>
	C0303 <i>The Effects of Allelopathic Compounds in Lonicera maackii on the Growth of Glycine max and Secale cereale</i> Seth Donnelley - Chester County Donnelley Homeschool Sponsor - Judith Donnelley	<input type="checkbox"/>
	C0304 <i>The Effect of Rhizobium on the Germination of Non-legume Seeds</i> Hendritta Panackalpurackal - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	C0305 <i>The Effect of Industrial Waste on Plant Life</i> Ethan Hoben - Emmaus High School Sponsor - Brent Landrum	<input type="checkbox"/>
	C0307 <i>Semi-Hydroponic Versus Aqua-Hydroponics</i> Benjamin Seing - Science Leadership Academy Sponsor - Stephanie Sessa	<input type="checkbox"/>
	C0308 <i>Salinity Stress and Salt Tolerance of Genetically Modified Brassica napus</i> Tulsi Patel - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

C0310	<i>Garden Buffet</i> Ashley Sanchez - Bracetti Academy Charter School Sponsor - A Boqlioli	<input type="checkbox"/>
C0312	<i>Finding Salt Tolerance of Plants with Growth and Germination</i> Amelia Shaddinger - Upper Dublin High School Sponsor - Leanne Jones	<input type="checkbox"/>
C0313	<i>The Botanical Battleground with Helianthus Annus and Ipomoea Purpurea</i> Prachi Soni - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
C0314	<i>The Effect of Growth Hormones on Pea Plants</i> Kelly Orr - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Chemistry (400)

Award	Project	ISEF
First Place	C0417 <i>Traces of Explosives in Soil: Implications for using Nanoparticles as a Novel Footwear Screening Technique</i> Gaea Lawton - PA Leadership Charter School Sponsor - Sheila Romine	<input type="checkbox"/>
Second Place	C0407 <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 type="checkbox"/>
Third Place	C0411 <i>A Study of the Effects of Cleaning Agents on Luminol Test Accuracy</i> Kate Killian - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
Honorable Mention	C0405 <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 type="checkbox"/>
Honorable Mention	C0413 <i>Utilizing Used Coffee Grounds and Bioeleastometric Composite Foam to Remove Metals from Water</i> Anna Dewey - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	C0401 <i>The Potato Project</i> Au Ciel Hicks - Chester County Hicks Homeschool Sponsor - Tony Hicks	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

- C0402 ***Which Salt Has the Greatest Heat of Solution***
Elizabeth Lieb - Bethlehem Catholic High School
Sponsor - Anthony Messina
- C0403 ***Artificial Food Dye Content in Sports Drinks***
Ella McCausland - Academy of Notre Dame de Namur
Sponsor - Emily Giannantonio
- C0404 ***What Additive will Decrease the Melting Point of Biodiesel?***
Hannah Xiao - Upper Dublin High School
Sponsor - Joanne Lilliendahl
- C0406 ***Creating Paints Using Household Materials***
Emily Brennan - Lacey Township High School
Sponsor - Marti Helmick
- C0408 ***Characterization and Preservation of Cell-Free DNA in Urine***
Jonathan Cheng - Methacton High School
Sponsor - Robert Helm
- C0409 ***Glucosamine and Joint Pain***
Hailey Carskaddan - Lacey Township High School
Sponsor - Alexandra York
- C0410 ***Prevention Of Moisture Loss***
Lauren Burton - Temple University Math Science Upward Bound
Sponsor - Mathew Scanlan
- C0412 ***The Mpemba Effect***
Komal Patel - Northeast High School
Sponsor - James Finley
- C0414 ***Absorbance of Radiant Energy of Different Colors and Materials***
Mary Kate Trevisan - Academy of Notre Dame de Namur
Sponsor - Emily Giannantonio
- C0415 ***Isolation and Characterization of Components in Green Spinach Leaves***
Michael Kates - Philadelphia Academy Charter High School
Sponsor - Joyce Zeka
- C0416 ***How Much Vitamin C Is In The Fruit And Vegetables We Consume Daily?***
Madison Bourne - Woodstown High School - Pilesgrove High Sch
Sponsor - Chris Rickard
-

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (C) - Computer (500)

Award	Project	ISEF
First Place	C0506 <i>Finding Vulnerabilities in the Oracle VM Virtualbox Hypervisor Specific to CPU Attacks, RAM Attacks, and Storage Attacks</i> Cyrus Majd - Holmdel High School Sponsor - Josephine Blaha	<input type="checkbox"/>
Second Place	C0502 <i>Creating a Novel Navigation Algorithm to Improve Commercial Robotic Area Coverage</i> Frank D'Agostino - Marine Academy of Tech/Environmental Sciences Sponsor - John Wnek	<input type="checkbox"/>
Third Place	C0508 <i>A Time and Cost Saving Application for Payment in Restaurants</i> Nathanael Costa - Carriagebrook Academy Sponsor - Roy Costa	<input type="checkbox"/>
Honorable Mention	C0501 <i>Relay Logic In Use</i> Matt Higgins - Woodstown High School - Pilesgrove High School Sponsor - Chris Rickard	<input type="checkbox"/>
Honorable Mention	C0504 <i>Synthesizing DNA Using Endonucleases and Restriction Digest</i> Ethan Moyer - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
Honorable Mention	C0505 <i>Computer Engineering: Why are My Video Games so Slow?</i> Anne Jeanette Ardito - Villa Joseph Marie High School Sponsor - John Gentile	<input type="checkbox"/>
Honorable Mention	C0511 <i>Security Breach: How Safe is Your Password?</i> Bridget O'Donnell - Bishop Shanahan High School Sponsor - Kelly O'Donnell	<input type="checkbox"/>
	C0503 <i>Solving Vehicle Routing Problem Using an Optimized Hierarchical Algorithm</i> Patricia Yao - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	C0507 <i>Web Design for the Visually Impaired</i> Mary Elizabeth Greeley - Central High School Sponsor - Van Truong	<input type="checkbox"/>
	C0509 <i>Analysis of Performance and Cost Among Three AMD Accelerated-Processing-Units With and Without Discrete Graphics Card</i> Samuel Bushra - Bushra Homeschool Sponsor - Joseph Bushra	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

C0510	<i>A Patient-Centric Approach to Mitigating AD Progression</i> Jason Qiu - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
C0512	<i>Security of Picture Passwords</i> Kaleb Sherrill - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
C0513	<i>Characterization of Energy Efficiency in Residential Homes</i> Stefan Obradovic - Upper Dublin High School Sponsor - Dawn Edelman	<input type="checkbox"/>
C0514	<i>Developing a Brain-Computer Interface Application</i> Rhea Kadakla - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Earth & Space Scienc

Award	Project	ISEF
First Place	C0603 <i>The Effect of Nanoparticles on the Amount of Steam Generated</i> Sanjit Shelukar - Wissahickon High School Sponsor - Christine Brandt	<input type="checkbox"/>
Second Place	C0601 <i>Solution to Light Pollution: Effect of Material on Containing Artificial Light</i> Hannah Lewis - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
Third Place	C0605 <i>Finding Ratio: Mean Energy Released to Size of Neutron Star</i> Peter Decker - Wissahickon High School Sponsor - Christine Brandt	<input type="checkbox"/>
Honorable Mention	C0604 <i>Comparing the Strength of Earthquakes in Different Substrates</i> John Rybnik - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
	C0602 <i>Does the Mass of a Pulsar Affect the Velocity of it's Spin?</i> Terence Devlin - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
	C0606 <i>How Does Light Intensity Change with Distance?</i> Imara Honay - Girls High School Sponsor - Emily McGady	<input type="checkbox"/>
	C0607 <i>A Matter of Degrees</i> Amber Touseff - Bracetti Academy Charter School Sponsor - A Boqlioli	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (C) - Engineering (700)

Award	Project	ISEF
First Place	C0713 <i>Virtually Perfect Photovoltaic Cells: A Novel and Adaptive Approach to Modeling Quantum Dot templates Optimized for Varied Light Conditions</i> Sathya Edamadaka - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	C0717 <i>Development of an Optimum Insulating Brick</i> Isha Mohapatra - Moravian Academy Sponsor - Gabriella Dee	<input type="checkbox"/>
Third Place	C0714 <i>The Effect of an Electromagnetic Levitation System on the Stability of a Model Statue</i> Rishi Salwi - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Honorable Mention	C0708 <i>Ultrasonic Guided Waves for Detecting Defects in Pipelines</i> Harsha Santhanam - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Honorable Mention	C0710 <i>iPhone Fruit X-Ray</i> Jason Won - Upper Dublin High School Sponsor - Dawn Edelman	<input type="checkbox"/>
Honorable Mention	C0716 <i>Joint Tracking</i> Adam Morys - Malvern Preparatory School Sponsor - Agnese Abate	<input type="checkbox"/>
	C0701 <i>Underwater Robot</i> Malaika Shah - Easton Area High School Sponsor - Penny Diehl	<input type="checkbox"/>
	C0702 <i>The Effect of Blade Number on Energy Produced in Windmills</i> Aparna Dev - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	C0703 <i>Levitation vs. Earthquakes</i> Michael Gomba - Bishop Shanahan High School Sponsor - Melanie Gomba	<input type="checkbox"/>
	C0704 <i>Building the Most Efficient Bridge</i> Holly Peslis - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
	C0705 <i>3D Printed Exoskeleton Hand</i> Ethan Cody - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

C0706	<i>Innovating Field Hockey Goalkeeping Equipment</i> Gabriela Valladares - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
C0707	<i>Utilizing the Magnus Effect with a Flettner Rotor</i> Vince Tran - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
C0711	<i>Simple Solar: Engineering A Model Of Portable Solar Panel</i> Sophia Delia - Woodstown High School - Pilesgrove High School Sponsor - Carol Cipolla	<input type="checkbox"/>
C0712	<i>Water: Fueling The Future</i> Marshall Byrd - Woodstown High School - Pilesgrove High School Sponsor - Carol Cipolla	<input type="checkbox"/>
C0715	<i>The Movement and Engineering of an Artificial Hand</i> Sofia Suero - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
C0718	<i>Creating Energy from Jitters!</i> Cindy Chau - Girls High School Sponsor - Emily McGady	<input type="checkbox"/>
C0719	<i>Which Prosthetic arm design better mimic the human arm</i> Chloe Hart - Science Leadership Academy Sponsor - Steph Sessa	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Environmental (800)

Award	Project	ISEF
First Place	C0815 <i>Assessment of the Impact of Common Environmental Chemicals BPA and BPS on the Health of Lumbriculus variegatus</i> Victoria Vought - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	C0818 <i>Making Bioplastics More Durable</i> Amy Ouyang - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Third Place	C0820 <i>Seeds Explosion</i> Mohammad Hassan - George Washington Carver Sponsor - Amit Basu	<input type="checkbox"/>
Honorable Mention	C0803 <i>Flocculation Caused by Elevated Concentration of Iron in New Jersey Pine Barrens Soil</i> Ayomikun Gbadamosi - Marine Academy of Tech/Environmental S Sponsor - John Wnek	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Honorable Mention	C0811	<i>Ferrofluids Effect on Oil Spills</i>	<input type="checkbox"/>
		Anna Grace Coyne - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	
	C0801	<i>Soil Savers: Which Plants Can Prevent Soil Erosion?</i>	<input type="checkbox"/>
		Samantha Midili - Woodstown High School - Pilesgrove High Scho Sponsor - Carol Cipolla	
	C0802	<i>Measuring the Rate of Decomposition of Different Materials</i>	<input type="checkbox"/>
		Samantha McGarvey - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	
	C0804	<i>The Effect of Different Fertilizers on Cyanobacterial Growth</i>	<input type="checkbox"/>
		Connie Liu - Upper Dublin High School Sponsor - Joanne Lilliendahl	
	C0805	<i>Pesticides and Plants</i>	<input type="checkbox"/>
		Taylor Smith - Easton Area High School Sponsor - Penny Diehl	
	C0806	<i>Calculating Water Toxicity With a Synthetic Chart and Differentiating pH Levels with Daphnia Magna</i>	<input type="checkbox"/>
		Urjeet Deshmukh - Parkland High School Sponsor - Christopher Gahman	
	C0807	<i>Cape Cod Erosion - Man vs. Nature</i>	<input type="checkbox"/>
		Sam Fisher - Unionville High School Sponsor - Dr. Doug Vallette	
	C0808	<i>Hydropower</i>	<input type="checkbox"/>
		Melissa Hernandez - Bridgeton High School Sponsor - Claudia Angle	
	C0809	<i>Testing the Toxicity of Water Using Daphnia magna</i>	<input type="checkbox"/>
		Erin Byrd - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	
	C0810	<i>The Effect of Ocean Acidification on Artemia salina</i>	<input type="checkbox"/>
		Kacy Liang - Council Rock High School- North Sponsor - Terese Grateful	
	C0812	<i>Farming Methods Up Against The Elements</i>	<input type="checkbox"/>
		McKenzie Smith - Woodstown High School - Pilesgrove High Scho Sponsor - Chris Rickard	
	C0813	<i>Strengths and Alternative Types of Homemade Paper Using Different Plants</i>	<input type="checkbox"/>
		Rose Emin - Easton Area High School Sponsor - Penny Diehl	

Delaware Valley Science Fairs 2017 Awards List

C0814	<i>Are UV Treatments Equally Effective in Destroying E. coli from Water Samples in Madagascar?</i> Elizabeth Stifel - Moravian Academy Sponsor - Gabriella Dee	<input type="checkbox"/>
C0816	<i>Cleaning Oil Spills with Magnetism</i> Liam Safran - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
C0817	<i>Exploring the Effect of Acid Rain on Dissolved Oxygen Concentrations</i> Davron Borhan - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
C0819	<i>An Analysis of Storm Drain Pump Stations Along the Barnegat Bay</i> Bella Yedman - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
C0821	<i>Prey Cognition on Predatory Scent</i> Frances Yu - Central High School Sponsor - Van Truong	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Mathematics (900)

Award	Project	ISEF
First Place	C0908 <i>An Algorithm For Solving Lakes Puzzles</i> Walker Anderson - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
Second Place	C0907 <i>Phi-nding Musical Gold: Analysis of Phi's Role in the Structure of Music Across Multiple Genres</i> Gillian Porter - Bishop Shanahan High School Sponsor - Pamela Porter	<input type="checkbox"/>
Third Place	C0909 <i>Developing a Simpler Method for Drawing Perspective Projections</i> Ashish D'Souza - Polytech High School Sponsor - Melvin D'Souza	<input type="checkbox"/>
Honorable Mention	C0905 <i>A Study of Osteoporosis in U.S. Senior Female Population</i> Baiting Zhu - Westtown School Sponsor - Leslie Barr	<input type="checkbox"/>
	C0901 <i>Hi-Lo Strategies! Make the Odds of Winning in Your Favor</i> Maya Senescu - Downingtown STEM Academy Sponsor - Karla Senescu	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

C0902	<i>Using Statistics to Analyze the Accuracy of Catapults</i> Margaret Quirk - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
C0903	<i>Creating a Rating Algorithm for Bridge that Accurately Predicts Tournament Performance</i> Eric Chai - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
C0904	<i>A Predictive Model for Emulsion Droplet Dispersion and Uniformity</i> Claudia Schreier - Marine Academy of Tech/Environmental Scienc Sponsor - John Wnek	<input type="checkbox"/>
C0906	<i>Zombie Fever: An Epidemic Model</i> Melanie Kaminsky - George Washington High School Sponsor - Anita Abraham	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Medicine & Health (10)

Award	Project	ISEF
First Place	C1001 <i>Utilization of CRISPR/Cas9 to Knock Down Inflammatory and Angiogenic microRNAs in Endothelial Cells</i> Julienne Chaqour - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Second Place	C1013 <i>Cell-free Urine DNA for Cancer Liquid Biopsy</i> Adam Zhang - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Third Place	C1009 <i>G-quadruplex Sequence Recognition in the Androgen Promoter Region</i> Allison Yang - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
	C1002 <i>Triclosan Sounds Fishy</i> Christian Ransome - George Washington Carver Sponsor - Amit Basu	<input type="checkbox"/>
	C1003 <i>Curcumin: Using a Natural COX-2 Inhibitor to Fight Arthritis</i> Aakash Pillai - Moorestown High School Sponsor - Sean Watson	<input type="checkbox"/>
	C1004 <i>Short-Term Effects of Smartphone Usage on Human Vision</i> Anna Szeto - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	C1005 <i>Vital Signs in Adolescent Athletes in Various Sports</i> Nina Ciocca - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

C1006	<i>The Effect of Pineapple Juice, Papaya Juice, and Kiwi Juice on Degrading Proteins as Measured by DNA Purity</i> Jack Campanella - Biotechnology High School Sponsor - Ann MacLean	<input type="checkbox"/>
C1007	<i>Pop, Lock, and Drop It</i> Angelica Rivera - Bracetti Academy Charter School Sponsor - A Boglioli	<input type="checkbox"/>
C1008	<i>What Are We Drinking</i> Cindi Reyes - Bridgeton High School Sponsor - Claudia Angle	<input type="checkbox"/>
C1010	<i>Harnessing the Power of PCSK-9 Inhibitors and Statins to Lower Cholesterol</i> Puja Samant - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
C1011	<i>The Use of Mechanics to Recreate a Human Hand</i> Tegan Horan - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
C1012	<i>Boosting the Autoimmune System with Household Herbs and Spices</i> Ester Teper - Biotechnology High School Sponsor - Ann MacLean	<input type="checkbox"/>
C1014	<i>The Effects of Various Technological Devices on Teens' Sleep</i> Caitlyn Hayes - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
C1015	<i>Examination of the Efficacy of Commercial UV-C Disinfection Systems</i> Sophia Skorup - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Microbiology (1100)

Award	Project	ISEF
First Place	C1102 <i>The Host Range Specificity of Bacteriophage T4r</i> Judy Zhong - Upper Dublin High School Sponsor - Joanne Lilliendahl	<input type="checkbox"/>
Second Place	C1111 <i>Novel Assay to Identify Response of DNA Repair in Mutated Saccharomyces Cerevisiae</i> Priyanka Hanumaihgari - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Third Place	C1106	<i>The Effect of UV Light on Yeast Fermentation</i> Allison Chang - Upper Dublin High School Sponsor - Leanne Jones	<input type="checkbox"/>
Honorable Mention	C1103	<i>Comparing the Antimicrobial Effect of Pine (<i>Pinus sylvestris</i>) and Spruce (<i>Picea mariana</i>) Tree Needle Essential Oils on <i>E. coli</i> K12 in Vitro</i> Emily Liu - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Honorable Mention	C1110	<i>The Effect of UV Lights Bacteria</i> Nathan Ocampo - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>
	C1101	<i>Can Aloe Vera Save Your Berries from Mold</i> Kenaizha Ezell - Bracetti Academy Charter School Sponsor - A Boglioli	<input type="checkbox"/>
	C1104	<i>The Effect of Grapefruit on Antibiotics</i> Claire Sheehan - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	C1105	<i>Treating <i>E. Cloacae</i> Infections Without Harming Healthy Gut Microflora</i> Sydney Breslin - Dock Mennonite Academy High School Sponsor - Kellena Smith	<input type="checkbox"/>
	C1107	<i>Testing the Bactericidal Capability of Different Benzoil Peroxide Medications</i> Vivek Adury - Liberty High School Sponsor - MacLeon Pearson	<input type="checkbox"/>
	C1108	<i>Treating HBV by GANAB and MOGs Knockouts Using Genetic Editing</i> Shichen Nie - Central Bucks High School- East Sponsor - Pamella Eggleston	<input type="checkbox"/>
	C1109	<i>Do Varying Scents Of Antibacterial Gel Have Different Levels Of Effectiveness On Bacteria?</i> Isabella Briseno - Woodstown High School - Pilesgrove High Scho Sponsor - Carol Cipolla	<input type="checkbox"/>
	C1112	<i>Medical Effects on <i>Daphnia</i></i> Sapna Patel - Northeast High School Sponsor - James Finley	<input type="checkbox"/>
	C1113	<i>Antibacterial Effects of Honey</i> Siobhan Slattery - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

C1114	<i>Effect of Caffeine Content of Coffea arabica upon the Inhibition of Staphylococcus epidermidis and Escherichia coli</i>	<input type="checkbox"/>
	Samuel Mueller - Biotechnology High School Sponsor - Ann MacLean	
C1115*	<i>The Effect of Oregano Oil on E. coli</i>	<input type="checkbox"/>
	Katie Lennon - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	

69th Delaware Valley Science Fair (C) - Physics (1200)

Award	Project	ISEF
First Place	C1211 <i>Modeling Electromagnetic Cloaking Devices</i> Elizabeth Berzin - Lower Moreland High School Sponsor - Richard Becker	<input type="checkbox"/>
Second Place	C1204 <i>The Application of Electrodynamics Compatibility in the Optimization of Directionally Determinant Nano-Scale Electronics</i> Steven Vorona - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Third Place	C1203 <i>The Transition of Newtonian Fluids to Non-Newtonian Fluids</i> Joseph Kurtz - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
Honorable Mention	C1208 <i>The Effect of Angle of High Beam Light on Transmittance Through a Polarized Windshield</i> Emma Butrym - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
	C1201 <i>Will The Viscosity Of Motor Oil Change As The Temperature Rises?</i> Clare English - Woodstown High School - Pilesgrove High School Sponsor - Carol Cipolla	<input type="checkbox"/>
	C1202 <i>Temperature's Effect on a Ball's Coefficient of Restitution</i> Omar Kenawy - Easton Area High School Sponsor - Penny Diehl	<input type="checkbox"/>
	C1205 <i>Investigation of Non-Newtonian Fluid Interactions</i> Christopher Masuda - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
	C1206 <i>Does The Surface Finish Of An Object Have An Effect On The Amount Of Force It Takes To Move?</i> Julianna Evans - Woodstown High School - Pilesgrove High School Sponsor - Carol Cipolla	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

C1207	<i>Race Your Marbles to Discover Liquid's Viscosity</i> Dajah Green - Frankford High School Sponsor - Lauren Bernhardt	<input type="checkbox"/>
C1209	<i>Efficiency of Conductivity</i> Grace Knauss - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
C1210	<i>Observing The Effect Of Matter And Density On Sound Waves</i> Madison Cummons - Woodstown High School - Pilesgrove High S Sponsor - Carol Cipolla	<input type="checkbox"/>
C1212	<i>Absorption of Radiant Energy by Different Colors</i> Raul Reyes - Bridgeton High School Sponsor - Claudia Angle	<input type="checkbox"/>

69th Delaware Valley Science Fair (C) - Zoology (1300)

Award	Project	ISEF
First Place	C1302 <i>Symbol Recognition in Horses: Can Horses Correlate Symbols with Consequences?</i> Eileen Shelton - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
Second Place	C1308 <i>Effect of Vitamin D and Probiotics on Neurons of C. elegans</i> Brynne DiDonato - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
Third Place	C1301 <i>Determining the Prevalence of Pleurogonius malaclemys Parasitic Infection of Ilyanassa obsoleta in Barnegat Bay, New Jersey</i> Penny Demetriades - Marine Academy of Tech/Environmental Scie Sponsor - John Wnek	<input type="checkbox"/>
Honorable Mention	C1305 <i>The Effect of Nanosilver on Pond Life</i> Rose McDonald - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	C1303 <i>Does Shoulder Angle Affect The Length Of A Horse's Stride?</i> Ashleigh Blake - Woodstown High School - Pilesgrove High Scho Sponsor - Chris Rickard	<input type="checkbox"/>
	C1304 <i>Canine Brain Lateralization, as Evidenced By a Right or Left Paw Preference, Correlates to Canine Temperament: Fact or Fiction?</i> Catherine Raspanti - Girard Academic Music Program Sponsor - Jared Ruddick	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

C1306	<i>Daphnia Magna</i> Joselyn Fontanez - Bracetti Academy Charter School Sponsor - A Boqlioli	<input type="checkbox"/>
C1307	<i>Magnetizing Life Jackets to Repel Sharks</i> Vanessa McCole - Central Bucks High School- West Sponsor - Mark Hayden	<input type="checkbox"/>

69th Delaware Valley Science Fair (D) - Behavior & Social Sci

Award	Project	ISEF
First Place	D0108 <i>Multitasking's Affect on Memory</i> Rehan Devaravar - Lenape Middle School Sponsor - Jennifer Yeager	<input type="checkbox"/>
Second Place	D0110 <i>It's Not Easy Being Green</i> Justice Hammer - Vineland HS AMSA Sponsor - Vicki Yeager	<input type="checkbox"/>
Third Place	D0109 <i>Male vs. Female: Multitasking with Phones</i> Jessica Wang - Council Rock High School- South Sponsor - Matthew Ciaudelli	<input type="checkbox"/>
Honorable Mention	D0104 <i>The Impact of Rocking in a Rocking Chair on Memory</i> Lindsay Goldschmidt - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
	D0101 <i>Does Exercise Affect Your Memory?</i> Lauren Orton - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D0102 <i>Effectiveness of Simple Methods of Stress Relief</i> Ashley Waples - Upper Darby High School Sponsor - Jessica Baton	<input type="checkbox"/>
	D0103 <i>Waking Up: Light vs. Dark</i> Caroline Koberg - Unionville High School Sponsor - Sandra Litvin	<input type="checkbox"/>
	D0105 <i>Do The Eyes Have It?</i> Mattie Rieck - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D0106 <i>Which Activity Affects People the Most in a Positive Way</i> Baraka Osborne - STEM Up Sponsor - Rachael Parris	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

D0107	<i>Does Genre Of Music Affect Accuracy Of Free Throw Shooting?</i> Eddie Biddle - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
D0111*	<i>Effect of Color vs. Black and White on Memory</i> Nina Hoback - Upper Darby High School Sponsor - Jessica Baton	<input type="checkbox"/>

69th Delaware Valley Science Fair (D) - Biochemistry (200)

Award	Project	ISEF
First Place	D0203 <i>The Effect of Various Neurotransmitters on the Mortality and Chemotaxis of Caenorhabditis Elegans</i> Vidhyasai Annem - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
Second Place	D0201 <i>DNA Extraction & Efficacy Assessment of DNA Decontamination Methods</i> Ashmitha Sivakumar - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Third Place	D0206 <i>Comparing the Amount of Ethanol Produced by Various Starch Plants</i> Annie Zhang - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Honorable Mention	D0207 <i>Can Individual Specimens Be Identified When Burned To An Unrecognizable State?</i> Tara Czekner - Villa Joseph Marie High School Sponsor - Kathleen Sundquist	<input type="checkbox"/>
	D0202 <i>Nutrition of Full Fat Foods Versus Reduced Fat Foods</i> Isha Shah - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
	D0204 <i>Sweetology</i> Brooke Khairzada - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D0205 <i>Feasibility Study: Ethanol Production</i> TJ Nguyen - Cherry Hill High School West Sponsor - Brian Grillo	<input type="checkbox"/>
	D0208 <i>Apples vs. Household Chemicals</i> Emily Farrell - Woodstown High School - Pilesgrove High School Sponsor - Stephen Ordog	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

D0209 ***Skunk Attack!***
Jared Carr - Woodstown High School - Pilesgrove High School
 Sponsor - Jennifer Sorbello

69th Delaware Valley Science Fair (D) - Botany (300)

Award	Project	ISEF
First Place	D0306 <i>The Effects of the Hydroponic System vs Traditional on the Growth Rate of Peas</i> Janice Chen - Holicong Middle School Sponsor - Robert Meletti	<input type="checkbox"/>
Second Place	D0307 <i>Effects of CO2 and Sunlight on the Rate of Algal Growth</i> Karen Li - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Third Place	D0304 <i>The Effect of Herbicides on Clover and the Barnegat Bay</i> Andrew Beck - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
	D0301 <i>Which Nitrogen Based Fertilizer Works Best?</i> Ava Wilson - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D0302 <i>pH Growing Plants</i> Natalie Scardino - Woodstown High School - Pilesgrove High Sch Sponsor - Jennifer Sorbello	<input type="checkbox"/>
	D0303 <i>Effects of Irradiation on Seed Germination: "Rad Radishes"</i> Isabelle Anzabi - Villa Joseph Marie High School Sponsor - Nicholas Zlupko	<input type="checkbox"/>
	D0305 <i>Supercharged Sunflowers</i> Colin Christoff - Woodstown High School - Pilesgrove High School Sponsor - Michelle Williams	<input type="checkbox"/>

69th Delaware Valley Science Fair (D) - Chemistry (400)

Award	Project	ISEF
First Place	D0409 <i>What's in That Doggone Food</i> Jessica Melo - Vineland HS AMSA Sponsor - Vicki Yeager	<input type="checkbox"/>
Second Place	D0404 <i>Popping Popcorn: Does Moisture Matter?</i> Molly Tyler - Woodstown High School - Pilesgrove High School Sponsor - Michelle Williams	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Third Place	D0407	<i>Pantry Pastes</i> Gemma Lopena - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
Honorable Mention	D0403	<i>Does Life Straw Suck</i> Kevin London - Vineland HS AMSA Sponsor - Vicki Yeager	<input type="checkbox"/>
	D0401	<i>The Effect of the Ripeness of a Banana on the Amount of Sugar in the Fruit</i> Brooke Shapiro - Wissahickon High School Sponsor - Mary Jo Burgoyne	<input type="checkbox"/>
	D0402	<i>The Effect of Ion Size on Surface Tension</i> Katherine Martinez - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
	D0405	<i>The Effectiveness Of Sodium Fluoride On Teeth</i> Darrian Banks - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D0406	<i>Protein Solubility Based on Water Temperature</i> Andrew Yang - Holicong Middle School Sponsor - Robert Meletti	<input type="checkbox"/>
	D0408	<i>The Effect of Chlorinated Water on the Strength of Hair</i> Katie Sapozhnikov - Wissahickon High School Sponsor - Mary Jo Burgoyne	<input type="checkbox"/>
	D0410	<i>Analysis of the pH of Commercial Bottled Water</i> Maxine Adams - Unionville High School Sponsor - Sandra Litvin	<input type="checkbox"/>
	D0411	<i>Effects of Various Climates and Storage Methods on Battery Efficiency</i> Ling Xu - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
	D0412	<i>The Effects of Popular Cooking Methods on Vitamin C in Food</i> Franklin She - Upper Dublin High School Sponsor - David Price	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (D) - Computer (500)

Award	Project ID	Project	ISEF
First Place	D0505	<i>SCIN: A Smart Adaptive Machine Learning Application to Detect and Diagnose Human Medical Conditions and Plant Diseases and Disorders</i> Neil Deshmukh - Moravian Academy Sponsor - Gabriella Dee	<input type="checkbox"/>
Second Place	D0507	<i>Facial Recognition Home Security Using Convolutional Neural Networks</i> Will Knipe - Unionville High School Sponsor - Tim Knipe	<input type="checkbox"/>
Third Place	D0509	<i>Optimal Keyboard Layout for Texting on Phones</i> Jason Yan - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
Honorable Mention	D0502	<i>Concussion Tracking with a Smartphone</i> Marius Vava - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
Honorable Mention	D0506	<i>Designing Computational Biological Circuits to Facilitate Cancer Treatment</i> Sofiya Lysenko - Abington Junior High School Sponsor - Ed Steinhardt	<input type="checkbox"/>
Honorable Mention	D0510	<i>Gender Recognition Through Voice Analysis</i> Paul Ringenbach - Bishop Shanahan High School Sponsor - Daniel Ringenbach	<input type="checkbox"/>
	D0501	<i>What Computer Language is Best at Running Complex Equations?</i> Ryan Young - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	D0503	<i>Tensorflow in Medicine: Detecting Retinopathy with Machine Learning</i> Arjun Vedantham - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	D0504	<i>Coding Traffic Lights</i> Ayush Shah - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	D0508	<i>Developing an Artificial Intelligence System to Read MRI Images, X-rays and CT-scans faster and More Accurately than Traditional Radiologists</i> Briana Malik - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

D0511 **Cloud Computing Performance**
Tiffany Zhong - Germantown Academy
 Sponsor - Sarah Kesten

69th Delaware Valley Science Fair (D) - Earth & Space Scienc

ISEF

Award	Project	
First Place	D0602 How Do Soil Nutrients in Natural vs. Replenished Dunes Affect the Growth of Vegetation? Lea Burton - Marine Academy of Tech/Environmental Science Sponsor - Jason Kelsey	<input type="checkbox"/>
Second Place	D0601 The Effects of Varying Wind Speeds on Dune Height and Accretion in Reinforced and Natural Dune Systems. Owen Regehly - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
Third Place	D0603 Comparison of Different Energy Sources for Mars Travel and Exploration Jay Patel - Youth Achievers Committee Sponsor - Sherita Singleton	<input type="checkbox"/>
	D0604 Investigation of Double Ridge Formations on Europa Colby Kantner - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
	D0605 Nothing Can Hold Me Down Swetha Sampath-Kumar - Pennbrook Middle School Sponsor - Carol Ward	<input type="checkbox"/>
	D0606 Effects of Runoff Pollution on Aquatic Plants Jackson Weiler - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	D0607 The Impact Emissions from Exposed Sediment Have on the Atmospheric Carbon Dioxide Levels Amy Fullington - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
	D0608 Landslides: What Causes Rocks to Slide Down a Slope? Doreen Valmyr - Central High School Sponsor - Van Truong	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

69th Delaware Valley Science Fair (D) - Engineering (700)

Award	Project	ISEF
First Place	D0710 <i>Developing An Optimal Unconventional Wind Turbine</i> Farid Shahid - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
Second Place	D0708 <i>The Simulation of an Artificial Pancreas Using Bioengineering</i> Punya Bhasin - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
Third Place	D0711 <i>The Efficacy of Different Seawalls in Reducing the Impact of Tsunamis</i> Cecilia Quirk - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>
Honorable Mention	D0701 <i>Thermal Diffusivity Measurement of Graphene-based Foils by the Flash Method</i> Evan Wang - Unionville High School Sponsor - Heng Wang	<input type="checkbox"/>
Honorable Mention	D0704 <i>Are Dust Bunnies Extinct</i> Jeremy Rasmussen - Vineland HS AMSA Sponsor - Vicki Yeager	<input type="checkbox"/>
	D0702 <i>Spraying For Cooling, Cooling For Safety</i> Hannah Patrignani - Vineland HS AMSA Sponsor - Vicki Yeager	<input type="checkbox"/>
	D0703 <i>Safe Ride</i> Rajan Patel - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	D0705 <i>The Effect of Weight on Multiple Bridge Designs</i> Charlie Dang - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>
	D0706 <i>Best Bridge Design Continued</i> Joe Wilson - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D0707 <i>How can Piezoelectric Machines be Applied to Everyday Life?</i> Alexandra Worrall - Lenape Middle School Sponsor - Jennifer Yeager	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

D0709	<i>Which Type of Calorimeter Works Best for Combustion Analysis?</i> Mark Schadt - Bethlehem Catholic High School Sponsor - Anthony Messina	<input type="checkbox"/>
D0712	<i>Egg-stra Strong?</i> Owen Chouinard - Bishop Shanahan High School Sponsor - Christine Chouinard	<input type="checkbox"/>
D0713	<i>Road Safety Index: Traffic Safety Modeling, Evaluation, and Visualization</i> Tiffany Fang - High Technology High School Sponsor - Michael Roche	<input type="checkbox"/>
D0714	<i>Desalinization through Electricity Generated by Bicycle Generator</i> Alex Yan - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
D0715	<i>Water Pressure's Effect on Erosion of Lollipops</i> Riley Brenan - Academy of Notre Dame de Namur Sponsor - Emily Giannantonio	<input type="checkbox"/>

69th Delaware Valley Science Fair (D) - Environmental (800)

Award	Project	ISEF
First Place	D0807 <i>Bioplastics: Are They Useful?</i> Shreya Patil - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Second Place	D0808 <i>Flush or Bust</i> Annalisa Quinn - Central High School Sponsor - Robert Herbstritt	<input type="checkbox"/>
Third Place	D0805 <i>Nutrient Sources for Aquatic Plants in the Bradford Reservoir</i> Isabella Swartz - Tamanend Middle School Sponsor - Mark Hayden	<input type="checkbox"/>
Honorable Mention	D0802 <i>Water Quality of Natural Sources in the Burlington and Camden County Area</i> Arnav Goel - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
Honorable Mention	D0804 <i>Finding Optimum Fertilizer to Decrease Fertilizer Runoff</i> Sophi Schneider - Upper Dublin High School Sponsor - David Price	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Honorable Mention	D0806	<i>How do Changes in Physical Parameters Affect Photosynthesizing Rates in Zooxanthellae?</i>	<input type="checkbox"/>
		Ariel Baiano - Marine Academy of Tech/Environmental Science Sponsor - Jason Kelsey	
	D0801	<i>The Effectiveness of Natural Water Filters to Clean Water</i>	<input type="checkbox"/>
		Ryan Lim - Upper Dublin High School Sponsor - Dawn Edelman	
	D0803	<i>The Impact of Different Wavelengths of Incident Light on Photovoltaic Output</i>	<input type="checkbox"/>
		Anya Pant - Parkland High School Sponsor - Christopher Gahman	

69th Delaware Valley Science Fair (D) - Mathematics (900)

Award	Project	ISEF
First Place	D0902 <i>The Correlation Between CMEs and the Sunspot Cycle</i> Annie Cheng - Upper Dublin High School Sponsor - Dawn Edelman	<input type="checkbox"/>
Second Place	D0905 <i>Fractals, Fibonacci Sequences and the Golden Ratio in Music and Art</i> Stefania Schoen - Emmaus High School Sponsor - Brent Landrum	<input type="checkbox"/>
Third Place	D0901 <i>Accuracy of a Self-Made Rocket Simulation Program</i> Brady Nichols - Marine Academy of Tech/Environmental Science Sponsor - Jason Kelsey	<input type="checkbox"/>
Honorable Mention	D0904 <i>Vectors in Multiple Dimensions</i> Ethan Baker - Pennbrook Middle School Sponsor - Carol Ward	<input type="checkbox"/>
	D0903 <i>Math in Music: Exploring Patterns in Bach</i> Jhanvi Dasaka - Council Rock High School- South Sponsor - Matthew Ciaudelli	<input type="checkbox"/>

69th Delaware Valley Science Fair (D) - Medicine & Health (10

Award	Project	ISEF
First Place	D1011 <i>Harnessing Anti-Inflammatory and Immunoregulatory Potentials from Nature</i> Claire Tse - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Second Place	D1005	<i>The Selective Regeneration and Isolation of Dopaminergic Neuronal Stem Cels</i> Rhea Malhotra - Moravian Academy Sponsor - Gabriella Dee	<input type="checkbox"/>
Third Place	D1010	<i>Applying Plant Derived Secondary Metabolites for the Reversal of MDR in Fungi</i> Arushi Tiwari - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Honorable Mention	D1001	<i>The Effect of Different Concentrations of Ascorbic Acid on Cancer Cell Lines</i> Defne Alpdogan - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
	D1002	<i>Modeling The Cardiovascular</i> Ben Melle - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D1003	<i>The Affect Soda and Juice Have on Teeth</i> Hanna Kerest - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
	D1004	<i>How Greasy Are Your Potato Chips?</i> Paige Willard - Woodstown High School - Pilesgrove High School Sponsor - Stephen Ordoq	<input type="checkbox"/>
	D1006	<i>Compared Durability of Suturing Techniques</i> Lauren Widergren - Bishop Shanahan High School Sponsor - Victoria Widergren	<input type="checkbox"/>
	D1007*	<i>Brush Away the Decay</i> Lauren Bradley - Bishop Shanahan High School Sponsor - Cheryl Bradley	<input type="checkbox"/>
	D1008	<i>Can You Hear Me? Earbuds Versus Everyday Sounds</i> Erica Stover - Souderton Area High School Sponsor - Karen Wolf	<input type="checkbox"/>
	D1009	<i>Diet And pH</i> Talia Priore - Woodstown High School - Pilesgrove High School Sponsor - Jennifer Sorbello	<input type="checkbox"/>
	D1012	<i>The Time it Takes for Different Pill Types to Dissolve</i> Maya Paul - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	D1013	<i>Breathe in, Breathe out</i> Samia Ria - Northeast High School Sponsor - James Finley	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (D) - Microbiology (1100)

Award	Project	ISEF
First Place	D1108 <i>The Effect of an Herbicide on the Growth of Bacteria</i> Maya Parekh - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
Second Place	D1103 <i>The Effects of Xylitol and Cinnamon Oil on the Growth of Streptococcus Mutans</i> Isabella Onofrietti - Toms River High School North Sponsor - Christine Girtain	<input type="checkbox"/>
Third Place	D1104 <i>The Effect of Acne Medicine on Bacteria</i> Brianna Smith - Cheltenham High School Sponsor - Russell Wolff	<input type="checkbox"/>
Honorable Mention	D1109 <i>Using HER2 Antibody to Increase Efficiency of Gold Nanoparticles in Treating Breast Cancer</i> Kevin Guo - Great Valley High School Sponsor - Bonnie Wu	<input type="checkbox"/>
	D1101 <i>The Effect of Sand Filters on E Coli</i> Gowtham Pichaiyan - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	D1102 <i>The Antibacterial Effects of Graphene Oxide Nanosheets on E. coli and S. epidermidis in vitro</i> Sahas Veera - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	D1105 <i>Effectiveness of Dog Saliva in Inhibiting Bacterial Growth</i> Nicholas Hall - Unionville High School Sponsor - Sandra Litvin	<input type="checkbox"/>
	D1106 <i>Oral Microbiology vs. Sensodyne Toothpaste</i> Justin Stacknick - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D1107 <i>The Effects of Different Herbicide on Microbial Life</i> Isabelle Beatus - Cheltenham High School Sponsor - Russell Wolff	<input type="checkbox"/>
	D1110 <i>Bread Mold Growth</i> Joshua Johnson - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D1111 <i>What Are you Putting on Your Face?</i> Megan Scanlon - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (D) - Physics (1200)

Award	Project	ISEF
First Place	D1202 <i>The Efficiency of Recycled Materials as Insulation</i> Arielle Touitou - Marine Academy of Tech/Environmental Science Sponsor - Jason Kelsey	<input type="checkbox"/>
Second Place	D1209 <i>Effects of Hydraulic Pressure on Different Joint Structures</i> David Palko - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Third Place	D1203 <i>The Effect of Color on the Absorption of Radiant Energy</i> Katherine O'Connor - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Honorable Mention	D1204 <i>Does a Vacuum Insulated Window Insulate Better than Convention Windows?</i> Harper Chisari - Parkland High School Sponsor - Christopher Gahman	<input type="checkbox"/>
	D1201 <i>The Effect of Water Purity on Ice Spikes</i> Christopher Dwyer - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
	D1205 <i>The Linear Magnetic Accelerator</i> Kanishk Nazareth - Lenape Middle School Sponsor - Jennifer Yeager	<input type="checkbox"/>
	D1206 <i>Scoring Under Pressure</i> Ankit Kapadia - Vineland HS AMSA Sponsor - Vicki Yeager	<input type="checkbox"/>
	D1207 <i>The Effect of Composition on Rebound</i> Luke Finley - Upper Darby High School Sponsor - Roseann Burns	<input type="checkbox"/>
	D1208 <i>Efficient Propeller Design</i> Sharvil Misra - Council Rock High School- North Sponsor - Terese Grateful	<input type="checkbox"/>
	D1210 <i>Magnets and Cell Phones: What is a Safe Distance</i> Catherine Giuliani - Vineland HS AMSA Sponsor - Vicki Yeager	<input type="checkbox"/>
	D1211 <i>Measuring the Speed of 'Light' with a Microwave Oven</i> Jonathan Augustin - Northeast High School Sponsor - James Finley	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

D1212 ***Impact Test on Shin Guards***
Jack Durkin - Pennbrook Middle School
 Sponsor - Carol Ward

69th Delaware Valley Science Fair (D) - Zoology (1300)

Award	Project	ISEF
First Place	D1308 <i>The Effect of Artificial Sweeteners on Drosophila suzukii</i> Matt Sandifer - Germantown Academy Sponsor - Sarah Kesten	<input type="checkbox"/>
Second Place	D1307 <i>Effect of Ethanol, Aspirin, and Caffeine on Daphnia Magna Heart Rate</i> Aditya Gunturi - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
Third Place	D1309 <i>Investigation into the Structure and Hydrophobicity of Butterfly Wings</i> Cassidy Poon - Charter School of Wilmington Sponsor - Gerald Poirier	<input type="checkbox"/>
Honorable Mention	D1310 <i>Survival Rates of Brine Shrimp in Adverse pHs</i> Joseph Dougherty - Bishop Shanahan High School Sponsor - Allison Dougherty	<input type="checkbox"/>
	D1301 <i>How Cats Respond To Bird Sounds</i> Emily Praul - Philadelphia Academy Charter High School Sponsor - Joyce Zeka	<input type="checkbox"/>
	D1302 <i>The Directional Preference of Hatchling Malaclemys Terrapin Terrapins at Barnegat Bay, NJ</i> Emma Riley - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
	D1303 <i>The Effect of Rsveratrol on Alzheimer's Disease Model</i> Atara Saunders - Cheltenham High School Sponsor - Russell Wolff	<input type="checkbox"/>
	D1304 <i>Strong Smell And Food Preference Of Cats</i> Lourdes De La Rosa - Salem County Vocational Technical School Sponsor - Kristen Redkoles Polk	<input type="checkbox"/>
	D1305 <i>The Memory Span of the Apis mellifera carnica</i> Julia Kuzan - Marine Academy of Tech/Environmental Science Sponsor - John Wnek	<input type="checkbox"/>
	D1306 <i>Fish And Elodea</i> Olivia Monahan - Woodstown High School - Pilesgrove High Scho Sponsor - Jennifer Sorbello	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

69th Delaware Valley Science Fair (E) - Behavior & Social Science

Award	Project ID	Project Title	ISEF
First Place	E0120	<i>Are Bilinguals or Monolinguals Better at Focusing on Relevant Information</i> Sawyer Dilks - Fernwood Avenue Middle School Sponsor - Jeff Warner	<input type="checkbox"/>
Second Place	E0113	<i>Taking a Time Out from Social Media</i> Else Leebel - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
Third Place	E0119	<i>The Halo Phenomenon</i> Kiefer Walsh - St. Margaret Regional School Sponsor - Regina Butterworth	<input type="checkbox"/>
Honorable Mention	E0101	<i>Betta Fish Memory</i> Bridget Magee - Indian Valley Middle School Sponsor - Nancy Cianchetta	<input type="checkbox"/>
Honorable Mention	E0102	<i>Effect of Global Warming Media on Different Audiences</i> Miles Menasion - Penn Alexander Sponsor - Stephanie Kearney	<input type="checkbox"/>
Honorable Mention	E0104	<i>Variations of the Stroop Effect: Kids vs Adults</i> Kavin Sampath - Moravian Academy Sponsor - Joanne Daniels	<input type="checkbox"/>
Honorable Mention	E0122	<i>Reaction Times: How Texting Affects Driving</i> Brendan Lewis - Stonegate Academy Sponsor - Kim Lewis	<input type="checkbox"/>
	E0103	<i>Color Aiding Memory in Pre-High School Teens: The CAM Trial</i> Elizabeth Conlon - SS. Simon & Jude School Sponsor - Anthony Conlon	<input type="checkbox"/>
	E0105	<i>Do Electronics Affect your IQ?</i> Emma Engler - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>
	E0106	<i>The Colors of Your Mind</i> Aidan Walsh - St. Margaret Regional School Sponsor - Regina Butterworth	<input type="checkbox"/>
	E0107	<i>How Does Talking on a Cellphone Influence Reaction Time?</i> Mattie Hiles - Bishop Schad Regional School Sponsor - Dana Ruegger	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|--------|--|--------------------------|
| E0108 | <i>Memory and the Senses</i>
Gabrielle Wilga - Holicong Middle School
Sponsor - Robert Meletti | <input type="checkbox"/> |
| E0109 | <i>Concentration Investigation</i>
Julia Flatley - St. Dorothy School
Sponsor - Gina Flatley | <input type="checkbox"/> |
| E0110 | <i>Hit the books</i>
Dylan Thomas - The Jefferson School
Sponsor - Jennifer Chowdhry | <input type="checkbox"/> |
| E0111* | <i>The Effect of Gender on Visual Processing</i>
Tess DeBastiani - Sussex Academy
Sponsor - Lauren Hvorecny | <input type="checkbox"/> |
| E0112 | <i>Horsin' Around</i>
Hannah Allen - Our Lady of Mount Carmel School
Sponsor - Marianne Thompson | <input type="checkbox"/> |
| E0114 | <i>Think Fast</i>
Shamar Snead - Mariner Middle School
Sponsor - Carly Zych | <input type="checkbox"/> |
| E0115 | <i>I Gotta Hand It to You</i>
Maximus Nast - Holy Child Academy
Sponsor - Scott Hartsock | <input type="checkbox"/> |
| E0116 | <i>The Effect of Gum on Students' Memories</i>
Sindhu Sivasankar - Newark Charter School
Sponsor - Andrea Narvaez | <input type="checkbox"/> |
| E0117 | <i>Mnemonics Versus Memory</i>
John Turner - Alloway Township School
Sponsor - Debra Dilks | <input type="checkbox"/> |
| E0118 | <i>Does Texting Distract Drivers?</i>
Juliana Merenda - Marsh Creek Sixth Grade Center
Sponsor - Christopher Merenda | <input type="checkbox"/> |
| E0121 | <i>Driving Distracted On a Video Game</i>
Philip Socha - Fernwood Avenue Middle School
Sponsor - Jeff Warner | <input type="checkbox"/> |
| E0123 | <i>How Strong is the Placebo Effect?</i>
Christina Ing - Sharswood
Sponsor - Holly Wagner | <input type="checkbox"/> |
| E0124 | <i>Say It Again!</i>
Barbara Sasson - Torah Academy
Sponsor - Sheila Appel | <input type="checkbox"/> |

Delaware Valley Science Fairs 2017 Awards List

E0125	<i>Vote Now!</i> Chinue Kinsale - Ursuline Academy Sponsor - Eileen Koenig	<input type="checkbox"/>
E0126	<i>How Does Gender Effect Visual and Auditory Memory?</i> Jayden Booker - Alloway Township School Sponsor - Rene Waters	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Biochemistry (200)

Award	Project	ISEF
First Place	E0213 <i>Leaf Fuel</i> Paul Clark - Engle Middle School Sponsor - David Clark	<input type="checkbox"/>
Second Place	E0212 <i>Seeking a Cure for Schizophrenia - A Bio-Chemical In Vitro Study to Identify the Innibitas of DAAO -Oxidature Deamition</i> Tanya Mehta - Orefield Middle School Sponsor - Brian Holtzhafer	<input type="checkbox"/>
Third Place	E0215 <i>Coffee: How Does Caffeine Affect Heart Rate?</i> Swathi Murali - Cedarbrook Middle School Sponsor - Beth Kenna	<input type="checkbox"/>
Honorable Mention	E0203 <i>Does Air Exposure and Movement Cause Milk to Spoil Faster?</i> Julietta Onofrietti - Toms River Intermediate North Sponsor - Katie Keller	<input type="checkbox"/>
Honorable Mention	E0217 <i>Antioxidant Power!</i> Sana Nauman - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>
	E0201 <i>Growing Gummies</i> Madeleine Cherry - Lower Alloways Creek School Sponsor - Stacy Sherman	<input type="checkbox"/>
	E0202 <i>Which Food Produces the Best Growth and Reproduction in European Nightcrawlers?</i> Jacob Holcombe - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
	E0204 <i>How Does Precipitation Affect Water Quality?</i> Sydney Doel - Mariner Middle School Sponsor - Kathleen Fisher	<input type="checkbox"/>
	E0205 <i>Determining the Amount of Lactose in Various Types of Milk</i> Elise Bushra - Bushra Homeschool Sponsor - Elizabeth Bushra	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

E0206	<i>The Effect of the Household Acid and Base on Lactase Activity</i> Dylan Kuang - Arcola Intermediate School Sponsor - Cathy Stewart	<input type="checkbox"/>
E0207	<i>Fingerprint Inheritance</i> Kayla Wawen - William Henry Middle School Sponsor - Christine Barrett Miller	<input type="checkbox"/>
E0208	<i>A Sensitive Subject</i> Ryan Failing - William Henry Middle School Sponsor - Christine Barrett Miller	<input type="checkbox"/>
E0209	<i>Five, Four, Three</i> Adira Pryor - St. Mary Interparochial School Sponsor - Judy Crossan-Sannicky	<input type="checkbox"/>
E0210	<i>Blind Taste Recognition</i> Aksel Hantho - Mannington Township School Sponsor - Nancy Anderson	<input type="checkbox"/>
E0211	<i>Which Kills Germs More Effectively: Soap or Sanitizer?</i> Estelle Guillot - William M. Meredith School Sponsor - Christopher Leshock	<input type="checkbox"/>
E0214	<i>Radical Freedom? An Antioxidant Phenomenon!</i> Aakash Narayan - Great Valley Middle School Sponsor - Vidya Venkatesan	<input type="checkbox"/>
E0216	<i>Does the Liquid You Take With a Pill Affect How Fast It Dissolves in Your Stomach?</i> Nathan Price - Fernwood Avenue Middle School Sponsor - Jeff Warner	<input type="checkbox"/>
E0218	<i>Sugar Content in Ripening Fruit</i> Emily Bernabe - Holicong Middle School Sponsor - Robert Meletti	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Botany (300)

Award	Project	ISEF
First Place	E0316 <i>Hydroponics vs. Soil: The Effect Growing Medium has on Plant Growth and Health</i> Nathan DiFulvio - Holicong Middle School Sponsor - Robert Meletti	<input type="checkbox"/>
Second Place	E0319 <i>Gene Expression in Healthy & Aphid-Infested Switchgrass, Panicum Virgatum</i> Naman Razdan - Patton Middle School Sponsor - Seema Ganju	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Third Place	E0301	<i>Rad Radishes</i> Hannah Sharp - Lower Alloways Creek School Sponsor - Stacy Sherman	<input type="checkbox"/>
Honorable Mention	E0308	<i>Celery and Food Coloring</i> Qwantez Watkins - William Henry Middle School Sponsor - Joyce Leatherbury	<input type="checkbox"/>
Honorable Mention	E0318	<i>Type of Water and Erosion</i> Zoe Magee - Cook Wissahickon Sponsor - Diane Powers	<input type="checkbox"/>
	E0302	<i>How Does Microwave Radiation Affect the Growth Rate of Seeds?</i> Amanda Mottola - Toms River Intermediate East Sponsor - Sylvia Piznik	<input type="checkbox"/>
	E0303	<i>How Water Temperature Affects A Plant</i> Kiranjoth Singh - Campus Community Charter School Sponsor - Eric Morgan	<input type="checkbox"/>
	E0304	<i>The Effect of Various Pollutants on the Growth of an Aquatic Plant</i> Purva Gupta - Springhouse Middle School Sponsor - Susan Stern	<input type="checkbox"/>
	E0305	<i>Demonstration and Measurement of Plant Oxygen Production</i> Steven Cramer - Galloway Township Middle School Sponsor - Debra Sommers	<input type="checkbox"/>
	E0306	<i>Flower Power</i> Keturah Landis - Dock Mennonite Academy Middle School Sponsor - Lisa Reichley	<input type="checkbox"/>
	E0307	<i>No Way to Grow: The Effect of Nitric Oxide on Germination</i> Margaret Atkins - Academy of Notre Dame de Namur Sponsor - Daniel Cushing	<input type="checkbox"/>
	E0309	<i>Will Saltwater Affect Plant Growth</i> Fadila Sore - Middle Years Alternative Sponsor - Melissa Soffer	<input type="checkbox"/>
	E0310	<i>That's IRONic: Beets Can Grow on Mars, But Are They Edible?</i> Kendra Melniczek - Owen J Roberts Middle School Sponsor - Laurie Melniczek	<input type="checkbox"/>
	E0311	<i>Go Tomato</i> Mikaiya Humphreys - Oldmans Township School Sponsor - Jason Winistorfer	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

E0312	<i>Glutathione Peroxidase and Free Radical Effects on Seed Germination</i> Prem Modi - Baldi Middle School Sponsor - Mathew Scanlan	<input type="checkbox"/>
E0313	<i>Caffeine Effects on Plants</i> Kevin Tong - Springhouse Middle School Sponsor - Noel Mahmood	<input type="checkbox"/>
E0314	<i>Mastering Marigolds</i> Madelyn Lewis - Dock Mennonite Academy Middle School Sponsor - Lisa Reichley	<input type="checkbox"/>
E0315	<i>How Does an Aquaponic System Affect the Growth Rate of a Plant?</i> Chloe Timberg - Lenape Middle School Sponsor - Jennifer Yeager	<input type="checkbox"/>
E0317	<i>Sodium Polyacrylate and Its Effect on Plant Growth</i> Samantha Barr - St. Dorothy School Sponsor - Robert Barr	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Chemistry (400)

Award	Project	ISEF
First Place	E0408 <i>Is It Possible to Create a Safer Weedkiller from Plants?</i> Maya Butani - William Allen Middle School Sponsor - Lyndsay Pasi	<input type="checkbox"/>
Second Place	E0402 <i>Invisible Hydrophilic Fishing Line</i> Deven Chakrabarti - Moorestown Upper Elementary School Sponsor - April Sullivan	<input type="checkbox"/>
Third Place	E0413 <i>Magnetic Deflection Of Charged Sub-Atomic Particles</i> Abigayle Heathwaite - Woodstown Middle School Sponsor - Don Dunner	<input type="checkbox"/>
Honorable Mention	E0410 <i>Eco-friendly Paint</i> Matthew Fu - Arcola Intermediate School Sponsor - Cathy Stewart	<input type="checkbox"/>
	E0401 <i>Bubble, Bubble, Bathbomb Trouble</i> Morgan Kane - St. Mary Interparochial School Sponsor - Judy Crossan-Sannicky	<input type="checkbox"/>
	E0403 <i>Fantastic Bioplastic: What is the Effect of Glycerin in Bioplastic on its Decomposition?</i> Vaishnavi Joshi - Springhouse Middle School Sponsor - Troy Minarovic	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

- E0404 ***Affordable Zero-Emission Fuel Cell Cars: Nonprecious Metal Catalysts by Computer Simulation***
David Yan - H.B. duPont Middle School
Sponsor - Dana Wisnoski
- E0405 ***Does Salt Water Make Steel Rust Faster?***
Sunanda Biswas - Jordan Road Elementary School
Sponsor - Liz Lichtenstein
- E0406 ***How Much Energy Is Stored In Nuts?***
Elyse Frey - Pittsgrove Township Middle School
Sponsor - Kimberly Hetzell
- E0407 ***Which Disintegrates Faster? Coated or Uncoated?***
Hitesh Davuluri - West Vincent Elementary School
Sponsor - Satish Davuluri
- E0409 ***The Solubility of Science***
Christen Radziewicz - Campus Community Charter School
Sponsor - Eric Morgan
- E0411 ***Pills Withstanding Acidity***
Adil Sheikh - Campus Community Charter School
Sponsor - Eric Morgan
- E0412 ***Effect of Chromium on Brine Shrimp***
Juby Benny - Baldi Middle School
Sponsor - Mathew Scanlan
- E0414 ***Evapo-Race***
Dominick Forgen - Bishop Schad Regional School
Sponsor - Dana Ruegger
- E0415 ***How Effective is your Lip Balm?***
Bianca Nace - St. Andrew School - Newtown
Sponsor - Emily DeLaurentis
- E0416 ***Does the Viscosity of a Liquid Affect the Rate at Which a Marble Can Travel Through It?***
Rutva Shah - Toms River Intermediate North
Sponsor - Katie Keller
- E0417 ***Delivery Method of a Drug and the Affect on Dissolution Rate***
Arti Dhareshwar - Springhouse Middle School
Sponsor - Scott Bauer
- E0418 ***The Effect of Chiral Molecules on the Angle of Rotation of Polarized Light***
Christina Lee - Valley Forge Middle School
Sponsor - Jeehyun Kwon

Delaware Valley Science Fairs 2017 Awards List

E0419	<i>Orange You Glad for Vitamin C?</i> Emily Pivnichny - Indian Crest Middle School Sponsor - Jennifer Odenwald	<input type="checkbox"/>
E0420	<i>What's Up With Your Water?</i> Gabrielle McCormick - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
E0421	<i>Do Natural Dyes Create a Better Hue and Safe Dye for Clothing Than Synthetic Dyes?</i> Camille D'Amico - Richboro Middle School Sponsor - Megan Mohl	<input type="checkbox"/>
E0422	<i>Shell Shocked</i> Meg Macauley - Ursuline Academy Sponsor - Eileen Koenig	<input type="checkbox"/>
E0423	<i>Let's Put a Kick in your Pill Step.</i> Natalia Logan - Buckshutem Road School Sponsor - Kristian Torchia	<input type="checkbox"/>
E0424*	<i>Tea-caffeinated: Which Decaffeinated Tea Contains the Most Caffeine?</i> Christina Englehart - Englehart Homeschool Sponsor - Marie Englehart	<input type="checkbox"/>
E0425*	<i>Hot or Not: Endothermic vs. Exothermic Reactions</i> Hannah Facenda - Holy Child Academy Sponsor - Scott Hartsock	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Computer (500)

Award	Project	ISEF
First Place	E0513 <i>A New Platform for Social Media</i> Joseph D'Ambrosio - Engle Middle School Sponsor - Michelle McMullin	<input type="checkbox"/>
Second Place	E0509 <i>Smart Medicine Reminder with Audio and Visual Notifications</i> Udit Garg - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
Third Place	E0503 <i>Simulation of the Effects of Global Warming on the United States</i> David Gogiberidze - Holland Middle School Sponsor - Dave Curry	<input type="checkbox"/>
Honorable Mention	E0501 <i>How Muchs Stress can Java Take?</i> Jonathan Ouf - Arts Academy Charter Middle School Sponsor - Jennifer Cole	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Honorable Mention	E0515	<i>Arduino Temperature Sensor</i> Matthew Levine - Fernwood Avenue Middle School Sponsor - Jeff Warner	<input type="checkbox"/>
Honorable Mention	E0516	<i>Programming a Pi Bot with Facial Recognition</i> Kush Soni - Youth Achievers Committee Sponsor - Sherita Singleton	<input type="checkbox"/>
	E0502	<i>Cyber Warfare: How Vulnerable Are You?</i> Bryce Cardy - Dock Mennonite Academy Middle School Sponsor - Lisa Reichley	<input type="checkbox"/>
	E0504	<i>Using a Computer Algorithm to Predict if a Breast Tumor is Benign or Malignant</i> Eeshwar Krishnan - Great Valley Middle School Sponsor - Sriram Krishnan	<input type="checkbox"/>
	E0505	<i>Charge Baby Charge</i> Julian Ciurlino - St. Mary Interparochial School Sponsor - Dana Grossi	<input type="checkbox"/>
	E0506	<i>How a Solar Tracker Affects Energy collection of a Solar Panel</i> Michael Rybalkin - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
	E0507	<i>Paper vs. Computer</i> Daryl Fernandez - Oldmans Township School Sponsor - Jason Winistorfer	<input type="checkbox"/>
	E0508	<i>Self-Organizing Neural Networks Speed</i> Anthony Kristovich - Bishop Schad Regional School Sponsor - Dana Ruegger	<input type="checkbox"/>
	E0510	<i>Computer Showdown</i> Seagal Joseph - Baldi Middle School Sponsor - Mathew Scanlan	<input type="checkbox"/>
	E0511	<i>Does Shape Affect the EV3 Mindstorm Robot's Ability to Recognize Obstacles?</i> Georgia Pissott - Toms River Intermediate North Sponsor - Katie Keller	<input type="checkbox"/>
	E0512	<i>Accuracy of Forecasting Algorithms: SOSS Quasar Redshift Survey</i> Jeffrey Gong - Arcola Intermediate School Sponsor - Cathy Stewart	<input type="checkbox"/>
	E0514	<i>Space versus Speed: A Comparison of the Ripple Carry, Sklansky, and Ladner-Fischer Binary Adders</i> Vincent Cart-Sanders - Sanders Home School Sponsor - Russell Sanders	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

E0517 ***What Phone Network Is The Best?***
Emily Gratz - Pennsville Middle School
 Sponsor - Cherie Burns

69th Delaware Valley Science Fair (E) - Earth & Space Scienc

Award	Project	ISEF
First Place	E0605 <i>Harvesting Free Energy from Powerful Waves</i> Cody McBride - McBride Homeschool Sponsor - Cody McBride	<input type="checkbox"/>
Second Place	E0604 <i>Can Various Types of Soapstone From Different Quarries Act as a Natural Way to Keep Drinks Hot for a Longer Period of Time?</i> Vivianna Onofrietti - Toms River Intermediate North Sponsor - Katie Keller	<input type="checkbox"/>
Third Place	E0618 <i>Redworms: Diet and Soil Quality</i> Joseph Leedy - Penn Alexander Sponsor - Stephanie Kearney	<input type="checkbox"/>
Honorable Mention	E0608 <i>Wind and Solar Energy</i> Sabrina Eisenberg - Holicong Middle School Sponsor - Robert Meletti	<input type="checkbox"/>
Honorable Mention	E0611 <i>Get the Dirt on Erosion</i> Makenna Walko - Villa Maria Academy Lower School Sponsor - Kelly Walko	<input type="checkbox"/>
	E0601 <i>Does Different Kind of Mud Effect the Amount of Electricity it Produces?</i> Veda Vundela - Springhouse Middle School Sponsor - Jennifer Karetzky	<input type="checkbox"/>
	E0602 <i>Going Solar</i> Julianne Dee - Orefield Middle School Sponsor - Jason Klinger	<input type="checkbox"/>
	E0603 <i>Does Water Depth Affect Wave Velocity?</i> Gabrielle Piccirilli - East Norriton Middle School Sponsor - Donna Sole	<input type="checkbox"/>
	E0606 <i>How Deep Does It Get: An In-Depth Look At Mars</i> Shayne Ventura - Haddonfield Friends School Sponsor - Ben Chen	<input type="checkbox"/>
	E0607 <i>Water Can Float on Water</i> Kirsten Collins - Cherry Street School Sponsor - Heather Engler	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|-------|--|--------------------------|
| E0609 | <i>Bright Lights vs Starry Nights</i>
Amber Biondi - Pittsgrove Township Middle School
Sponsor - Kimberly Hetzell | <input type="checkbox"/> |
| E0610 | <i>Geysers: What Are They Telling Us?</i>
Owen Ocvchar - St. Mary Magdalen School
Sponsor - Maryanne Amalfitano | <input type="checkbox"/> |
| E0612 | <i>The Velocity Of Tsunamis</i>
Marisa Zimmerman - Quinton Township School
Sponsor - Shane Manuel | <input type="checkbox"/> |
| E0613 | <i>Hot wires, Cool ideas!</i>
Max Keer - St. Mary Interparochial School
Sponsor - Judy Crossan-Sannicky | <input type="checkbox"/> |
| E0614 | <i>The Science Behind Tsunamis</i>
Joy Asselta - Bishop Chad Regional School
Sponsor - Dana Ruegger | <input type="checkbox"/> |
| E0615 | <i>Grounded For Life</i>
Ethan Thomson - East Coventry Elementary School
Sponsor - Graeme Thomson | <input type="checkbox"/> |
| E0616 | <i>How does the Curvature of the P-Waves and S-Waves Affect the Accuracy of Determining the Diameter of the Earth's Core When Utilizing Seismic Waves?</i>
Kayla Cotter - Manalapan-Englishtown Middle School
Sponsor - Dawn Danza | <input type="checkbox"/> |
| E0617 | <i>Acid Rain's Effect on Rocks</i>
Alex Currie - St. Mary Magdalen School
Sponsor - Bernadette Currie | <input type="checkbox"/> |
| E0619 | <i>Washing Away</i>
Holly Binkowski - Holy Cross Regional Catholic School
Sponsor - Jennifer Hitchner | <input type="checkbox"/> |
| E0620 | <i>What Robot Design Would be the Most Effective to do Simple Tasks?</i>
Riya Keshri - Lenape Middle School
Sponsor - Jennifer Yeager | <input type="checkbox"/> |
| E0621 | <i>Soil Erosion</i>
Emily Cruz-Maria - Millsboro Middle School
Sponsor - Miss Masters | <input type="checkbox"/> |
-

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (E) - Engineering (700)

Award	Project ID	Project	ISEF
First Place	E0701	<i>A New Sense of Touch: Pressure Sensitive, Color Changing, Liquid Crystals</i> Emily Wang - Germantown Academy Sponsor - Cory Eklund	<input type="checkbox"/>
Second Place	E0713	<i>Self-Balancing Vehicle</i> Carter Gassler - Avon Grove Charter School Sponsor - Paul Gassler	<input type="checkbox"/>
Third Place	E0717	<i>Laser Guided Walking for the Blind</i> Jeremy Gamble - Holicong Middle School Sponsor - Robert Meletti	<input type="checkbox"/>
Honorable Mention	E0704	<i>Em"brace" This</i> Chaelee Crane - North Brandywine Middle School Sponsor - Charles Crane	<input type="checkbox"/>
Honorable Mention	E0709	<i>Modern Major Mechanical</i> Sara Kennel - Dock Mennonite Academy Middle School Sponsor - Lisa Reichley	<input type="checkbox"/>
Honorable Mention	E0720	<i>Will a parabola make WiFi better?</i> Flavien Moise - William Allen Middle School Sponsor - Lyndsay Pasi	<input type="checkbox"/>
	E0702	<i>Aqua Jet!</i> Ife Alao - H.W. Mountz Sponsor - Michael Roche	<input type="checkbox"/>
	E0703	<i>The Robotic Glove Project</i> Ensar Arslan - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
	E0705	<i>Flying High!!!</i> Eric Colangelo - Orefield Middle School Sponsor - Amy Kakaley	<input type="checkbox"/>
	E0706	<i>How Different Shapes Effect The Propellers Speed?</i> Holton Frank - Mannington Township School Sponsor - Nancy Anderson	<input type="checkbox"/>
	E0707	<i>Turbines</i> Iris Kim - Penn Alexander Sponsor - Stephanie Kearney	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- E0708 ***How Does the Geometric Shape of a Bridge Structure Affect How Much Weight It Can Hold?***
Elizabeth Massie - St. Andrew School - Drexel Hill
Sponsor - Amanda Hughes
- E0710 ***What Paper Made From Renewable Resources is the Strongest?***
Kimberly Austin - Toms River Intermediate South
Sponsor - Kelly Milnicsuk
- E0711 ***It's a Bird! It's a Plane! No, It's a Hovercraft!***
Julia Dever - Haddonfield Friends School
Sponsor - Ben Chen
- E0712 ***Temperature Affecting Electricity***
Cole Hoffman - Campus Community Charter School
Sponsor - Eric Morgan
- E0714* ***Water Works***
Trent Sapna - Sussex Academy
Sponsor - Lauren Hvorecny
- E0715 ***Electromagnetic Propulsion***
Jackson Caldwell - Milford Central Academy
Sponsor - Jacquelyn Powers
- E0716 ***Designing an Effective Way to Eliminate Star Trailing***
Brandon Decker - E. T. Richardson Middle School
Sponsor - Jim Conlin
- E0718 ***The Forces Of Flight***
Charles Baeringer - Holicong Middle School
Sponsor - Steve Geneva
- E0719 ***Up, Up, and Away!***
Edward Yu - Sussex Academy
Sponsor - Lauren Hvorecny
- E0721 ***Efficiency of Solar Panels***
Taran Anantasagar - Springhouse Middle School
Sponsor - Susan Stern
- E0722 ***Parts vs. Performance***
Matthew Nguyen - Our Lady of Hope
Sponsor - Angela Romano
- E0723 ***Will It Slow the Flow?***
Ashley Masters - Lighthouse Christian School
Sponsor - Jaime Masters
- E0724 ***Body Heat And How To Trap It!***
Nicolas Law - Lower Alloways Creek School
Sponsor - Stacy Sherman

Delaware Valley Science Fairs 2017 Awards List

E0725	<i>Shaping Seawalls</i> Brandon Tang - Springer Middle School Sponsor - Jonathan Sypher	<input type="checkbox"/>
E0726	<i>Say Sayonora to Salt</i> John Masters - Lighthouse Christian School Sponsor - Jaime Masters	<input type="checkbox"/>
E0727	<i>TDB</i> Serena Martin - Ursuline Academy Sponsor - Eileen Koenig	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Environmental (800)

Award	Project	ISEF
First Place	E0804 <i>Bioplastics - For a Better Planet</i> Malavika Menon - Collegium Charter School Sponsor - Jayant Menon	<input type="checkbox"/>
Second Place	E0806 <i>Sunscreen and Saltwater Reefs, Not a Good Mix?</i> Lily Mayer - Orefield Middle School Sponsor - Dianne Caspersen	<input type="checkbox"/>
Third Place	E0817 <i>The Effect of Scenedesmus on the Bioremediation of Oil Spills</i> Gokul Perugu - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>
Honorable Mention	E0812 <i>The Waste Case-Segregating Household Kitchen Organic Waste</i> Nandini Bhatt - Great Valley Middle School Sponsor - Chirantan Bhatt	<input type="checkbox"/>
Honorable Mention	E0819 <i>The Water SAPper</i> Steven Schwan - Milford Central Academy Sponsor - Jacquelyn Powers	<input type="checkbox"/>
Honorable Mention	E0825 <i>Plant Pharm-Do Nutritional Supplements Entering the Environment Affect Plant Growth?</i> Molly Dopler - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
	E0801 <i>Hydroponic Growing Process vs. Traditional Soil Method</i> William Ostrander - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
	E0802 <i>Black, White, or Nothing</i> Hailey Bierling - St. Andrew School - Drexel Hill Sponsor - Amanda Hughes	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|--------|--|--------------------------|
| E0803 | <i>Keep it Clean: How Can Natural Resources Clean Water</i>
Zora Stewart - Charles W Henry School
Sponsor - Christie Grant | <input type="checkbox"/> |
| E0805 | <i>The Algae Anomaly?</i>
Zara Kelemen - Penn Alexander
Sponsor - Stephanie Kearney | <input type="checkbox"/> |
| E0807 | <i>Biomass Energy: From Trash To Gas</i>
Aidan Sickler - Quinton Township School
Sponsor - Shane Manuel | <input type="checkbox"/> |
| E0808* | <i>Which Characteristics of Coastal Plants are Able to Reduce the Most Amount of Beach Erosion?</i>
Madison Holt - Sussex Academy
Sponsor - Lauren Hvorecny | <input type="checkbox"/> |
| E0809 | <i>Solar shade: Effects of Obstruction on Efficiency of Polycrystalline Solar Panels</i>
Justin Weiss - Germantown Academy
Sponsor - Cory Eklund | <input type="checkbox"/> |
| E0810 | <i>Flourishing Flowers</i>
Samantha Koenemann - Newark Charter School
Sponsor - Andrea Narvaez | <input type="checkbox"/> |
| E0811 | <i>Solar vs. Propane Desalination</i>
Jordan Strain - Abington Junior High School
Sponsor - Ed Steinhardt | <input type="checkbox"/> |
| E0813 | <i>What Agent Best Separates Motor Oil From Salt Water the Best?</i>
Jackson Meyer - Toms River Intermediate North
Sponsor - Katie Keller | <input type="checkbox"/> |
| E0814 | <i>Effectiveness of Biodegradable Plastics vs. Real Compost and Conventional Plastic</i>
Vidya Balaji - Lenape Middle School
Sponsor - Jennifer Yeager | <input type="checkbox"/> |
| E0815 | <i>Magnetite, the Quicker Picker Upper: Using Magnetite to Clean Up Oil Spills</i>
Marilyn Langley - Academy of Notre Dame de Namur
Sponsor - Kathleen McTiernan | <input type="checkbox"/> |
| E0816 | <i>Which Type of Salt Melts Ice the Fastest</i>
Dylan Phillips - Milford Central Academy
Sponsor - Jacquelyn Powers | <input type="checkbox"/> |
| E0818* | <i>Simply Green</i>
Melanie Fritchman - Beacon Middle School
Sponsor - Adam Kindl | <input type="checkbox"/> |

Delaware Valley Science Fairs 2017

Awards List

E0820	<i>Get The Lead Out! How pH Effects Lead Contamination</i> John Cobin - Oldmans Township School Sponsor - Jason Winistorfer	<input type="checkbox"/>
E0821*	<i>The Effect of Electric Current on the Growth of Basil Plants</i> F.X. Patterson - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
E0822	<i>Bill Nye Was Right, You Guys</i> Gianna Voges - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
E0823	<i>Going Green As You Clean</i> Gladys Ramos - Baldi Middle School Sponsor - Mathew Scanlan	<input type="checkbox"/>
E0824	<i>How Does Leaf Width Affect the Amount of Moisture a Dew Drop can Collect?</i> Julia Morgan - Toms River Intermediate South Sponsor - Kelly Milnicsuk	<input type="checkbox"/>
E0826	<i>Levels of Ozone</i> Judy van Rooyen - Springer Middle School Sponsor - Jonathan Sypher	<input type="checkbox"/>
E0827	<i>How Do Different Types of Soil Affect the pH of Water?</i> Yuhki Saleff - Millsboro Middle School Sponsor - Lorraine Jordin	<input type="checkbox"/>
E0828	<i>Particle Matters</i> Maxim Guillot - William M. Meredith School Sponsor - Christopher Leshock	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Mathematics (900)

Award	Project	ISEF
First Place	E0910 <i>Algorithmic Grammar Complexity and Language Learning</i> Aruna Balasubramanian - French International School of Philadelp Sponsor - Valerie Denny	<input type="checkbox"/>
Second Place	E0904 <i>Estimating Flu Vaccine Effectiveness for Current Year</i> Samudrika Mohanta - Downingtown Middle School Sponsor - Pramod Mohanta	<input type="checkbox"/>
Third Place	E0906 <i>How Many People is an Average Person Connected to?</i> Christopher Poon - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Honorable Mention	E0901	<i>The Golden Ratio</i> Rohan Mehta - Moravian Academy Sponsor - Joanne Daniels	<input type="checkbox"/>
Honorable Mention	E0905	<i>Prediction of the Stock Market Using the Gaussian Function</i> Neha Skandan - Moravian Academy Sponsor - Joanne Daniels	<input type="checkbox"/>
Honorable Mention	E0907	<i>Use It or Lose It</i> Jacob Lapp - Quinton Township School Sponsor - Shane Manuel	<input type="checkbox"/>
	E0902	<i>Batter Up!</i> John Rafter - Philadelphia Academy Charter Grade School Sponsor - Joseph Egan	<input type="checkbox"/>
	E0903	<i>Can an Algorithm be Devised to Solve the Rubik's Cube?</i> Eris Qosja - Manalapan-Englishtown Middle School Sponsor - Kathleen Whitney	<input type="checkbox"/>
	E0908	<i>Are Cancer Rates Higher Near Nuclear Power Plants?</i> Michael Wang - Arcola Intermediate School Sponsor - Cathy Stewart	<input type="checkbox"/>
	E0909	<i>Proof of Maekawa's Theorem Using Flat-Folding Bases</i> Addison Liu - Patton Middle School Sponsor - Stanley Liu	<input type="checkbox"/>
	E0911	<i>Mirror Reflections</i> Mya Fleming - Saint Francis Xavier Sponsor - Theresa O'Brien	<input type="checkbox"/>
	E0912	<i>Can We Make Music Out of Math</i> Ryan Bencivengo - St. Andrew School - Newtown Sponsor - Emily DeLaurentis	<input type="checkbox"/>
	E0913	<i>The Birthday Paradox</i> Michael Nieves - Fernwood Avenue Middle School Sponsor - Jeff Warner	<input type="checkbox"/>
	E0914	<i>Soap For You 2</i> McKayla Buehler - Lower Alloways Creek School Sponsor - Stacy Sherman	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

69th Delaware Valley Science Fair (E) - Medicine & Health (10

Award	Project	ISEF
First Place	E1021 <i>The Effect of UV Radition on the Metamorphic Process of Zophobas Mario Larvae and the Ability of Bixin to Protect Against Observed UV Induced OF Bixin Induced Damage.</i> Carolyn Almonte - Youth Achievers Committee Sponsor - Sherita Singleton	<input type="checkbox"/>
Second Place	E1014 <i>Will Citrate Help to Prevent the Formation of New Kidney Stones?</i> Sonia Sandhu - Orefield Middle School Sponsor - Amy Kakaley	<input type="checkbox"/>
Third Place	E1008 <i>Effect of Light Intensity on Color Recognition in the Peripheral Field of Vision</i> Emma Kuska - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
Honorable Mention	E1012 <i>Hotel Horrors How clean is hotel ice?</i> Helen Wu - Germantown Academy Middle School Sponsor - Rolland Wakeman	<input type="checkbox"/>
Honorable Mention	E1022 <i>The Placebo Effect</i> Savannah Sakaguchi - Oldmans Township School Sponsor - Jason Winistorfer	<input type="checkbox"/>
Honorable Mention	E1023 <i>The Impact of Running</i> Amelie Born - Germantown Academy Sponsor - Cory Eklund	<input type="checkbox"/>
	E1001 <i>A Fresh Smile</i> Alicia Brown - ExCel Sponsor - Deena Osmer	<input type="checkbox"/>
	E1002 <i>Red, Orange, Yellow, Green, Blue, Which Color Will You Choose</i> Alan Knudsen - Fernwood Avenue Middle School Sponsor - Jeff Warner	<input type="checkbox"/>
	E1003 <i>To Grunt or Not to Grunt? That is the Question</i> Rose Rowe - West Fallowfield Christian School Sponsor - Bettie Rowe	<input type="checkbox"/>
	E1004 <i>Biometrics of Pitching</i> Jacob Donmoyer - Springhouse Middle School Sponsor - Daniel Christman	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|-------|--|--------------------------|
| E1005 | <i>These Foods Are Made For Walking</i>
Elodie Gauffeny - Alloway Township School
Sponsor - Debra Dilks | <input type="checkbox"/> |
| E1006 | <i>How Sugar Affects Your Brain</i>
Reuben Trachtenberg - Lenape Middle School
Sponsor - Jennifer Yeager | <input type="checkbox"/> |
| E1007 | <i>Battle of the Scenes: Taste vs. Smell</i>
Yaneana Leedie - Saint Francis Xavier
Sponsor - Theresa O'Brien | <input type="checkbox"/> |
| E1009 | <i>Making Sense of Taste and Scent</i>
Julie Thiemann - Ursuline Academy
Sponsor - Eileen Koenig | <input type="checkbox"/> |
| E1010 | <i>Sensitivity on the Dominant Side of the Body</i>
Gianna Marino - Holicong Middle School
Sponsor - Steve Geneva | <input type="checkbox"/> |
| E1011 | <i>Lights, Color, Action!: The Study of Color Vision Deficiency</i>
David Maturo - Haddonfield Friends School
Sponsor - Ben Chen | <input type="checkbox"/> |
| E1013 | <i>Does the Coating of Different Types of Medicine Affect the Solubility?</i>
Ishan Shah - Toms River Intermediate North
Sponsor - Katie Keller | <input type="checkbox"/> |
| E1015 | <i>Does Stress Cause Body Temperature to Rise</i>
Nina Hite - William Henry Middle School
Sponsor - Cheryl Tyrell | <input type="checkbox"/> |
| E1016 | <i>Head Case: The Effectiveness of Helmets in Reducing Concussions in Youth Sports</i>
Ben Rubinich - Holy Family School
Sponsor - Melissa Rubinich | <input type="checkbox"/> |
| E1017 | <i>Beast of the Yeast</i>
Christina Marcin - Ursuline Academy
Sponsor - Eileen Koenig | <input type="checkbox"/> |
| E1018 | <i>Unfolding WF's Mysteries: Impact of Genetic Mutations and Pathology on vSF's A2 Domain Mechanosensitivity</i>
Prathysha Kothare - Orefield Middle School
Sponsor - Brian Holtzhafer | <input type="checkbox"/> |
| E1019 | <i>Spatter Matters</i>
Daniel Deeney - Holy Child Academy
Sponsor - Scott Hartsock | <input type="checkbox"/> |

Delaware Valley Science Fairs 2017 Awards List

E1020	<i>Ditch The Itch</i> Stephen Walicki - Penn Alexander Sponsor - Stephanie Kearney	<input type="checkbox"/>
E1024*	<i>Can You Trust Your Tracker?</i> Marikate Kilker - St. Dorothy School Sponsor - Diane Kilker	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Microbiology (1100)

Award	Project	ISEF
First Place	E1103 <i>Which Synthetic Organic Polymer Can Native Soil Microbes Biodegrade Most Efficiently?</i> Lana Van Note - Toms River Intermediate North Sponsor - Katie Keller	<input type="checkbox"/>
Second Place	E1102 <i>Microfiber Pollution and Microbial Microenvironments</i> Lillian Miller - Perkiomen Valley High School Sponsor - Julie Mest	<input type="checkbox"/>
Third Place	E1114 <i>Will the Use of an Ultra-Violet Light Inside a Refrigerator Reduce the Growth of Microorganisms on Strawberries?</i> Caitlin Sia - Toms River Intermediate North Sponsor - Katie Keller	<input type="checkbox"/>
Honorable Mention	E1111 <i>The Effects of Honey vs. Antibiotic on Bacteria</i> Leah Walter - Patton Middle School Sponsor - Susan Walter	<input type="checkbox"/>
Honorable Mention	E1113 <i>Which Antimicrobial Agent is Effective in Combating Antibiotic Resistance in E-coli</i> Prithvi Parthasarathy - Great Valley Middle School Sponsor - Padhmaja Kannan	<input type="checkbox"/>
	E1101 <i>The Effect of Essential Oils on Bacterial Colonization</i> Alexa Horvath - Holicong Middle School Sponsor - Steve Geneva	<input type="checkbox"/>
	E1104 <i>The Science of Yogurt</i> Abhishek Hatkar - Campus Community Charter School Sponsor - Eric Morgan	<input type="checkbox"/>
	E1105 <i>Which Antibiotics are the Most Effective at Inhibiting Escherichia Coli</i> Cody Kulick - St. Jude School Sponsor - Anita Marko	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

E1106	<i>Natural Antibacterial Substances vs. Bacteria Cultured From Raw Hamburger Meat</i> Lucas Gonzalez - Mariner Middle School Sponsor - Carly Zych	<input type="checkbox"/>
E1107	<i>Silver Nanoparticles vs Germs - The Battle for survival</i> Tristan Travis - McCall Sponsor - Scott Knofliceck	<input type="checkbox"/>
E1108	<i>Cleaning with Fruits and Vegetables</i> Isata Bangura - Campus Community Charter School Sponsor - Eric Morgan	<input type="checkbox"/>
E1109	<i>Natural vs. Chemical Disinfectants</i> Makayla Egolf - Philadelphia Academy Charter Grade School Sponsor - Joseph Egan	<input type="checkbox"/>
E1110	<i>What Type Of Milk Has The Most Bacteria?</i> Raeann Caltabiano - Upper Pittsgrove School Sponsor - Danielle Taulane	<input type="checkbox"/>
E1112	<i>Which Container Keeps Strawberries Fresh Longer: A Plastic Container, Ziploc Bag or Fruit Keeper</i> Ellisyn Arthur - William Henry Middle School Sponsor - Cheryl Tyrell	<input type="checkbox"/>
E1115	<i>Goggling Bacteria</i> Sydney Rohrbach - Indian Crest Middle School Sponsor - Jennifer Odenwald	<input type="checkbox"/>
E1116	<i>Hardy Tardigrades</i> Noah Salaam - Haddonfield Friends School Sponsor - Ben Chen	<input type="checkbox"/>
E1117	<i>Which Toothbrush Removes Bacteria From Your Teeth The Best; Electric Or Manual?</i> Rylie Gantz - Upper Pittsgrove School Sponsor - Danielle Taulane	<input type="checkbox"/>
E1118	<i>A Bacterial Analysis of Reptiles</i> Jane Cohen - William Allen Middle School Sponsor - Lyndsay Pasi	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Physics (1200)

Award	Project	ISEF
First Place	E1220 <i>The Science Behind the Swing</i> Holden Emery - Holicong Middle School Sponsor - Robert Meletti	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Second Place	E1213	<i>Sounds Amazing!: Frequencies and Volume of a Selfmade Speaker</i> Adrian Guenther - Orefield Middle School Sponsor - Thomas Bryant	<input type="checkbox"/>
Third Place	E1205	<i>Mathematical Modeling to Calculate Recycled Fuel Efficiency</i> Navein Suresh - Spring Ford 7th Grade Center Sponsor - Elizabeth Croll	<input type="checkbox"/>
Honorable Mention	E1217	<i>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?</i> Vedavyas Jampanaboyana - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>
Honorable Mention	E1224	<i>Do You See What I Hear? Evaluation of Cymatic Representations of Complex Music Structures</i> John C. Porter - St. Joseph School Sponsor - John M. Porter	<input type="checkbox"/>
Honorable Mention	E1225	<i>Building a Hygrometer to Measure Air Pressure</i> Vrishti Yadav - North Penn High School Sponsor - Melody Leithold	<input type="checkbox"/>
Honorable Mention	E1226	<i>Hydrophobicity vs. Temperature</i> Jack Ringenbach - St. Elizabeth School Sponsor - Dan Ringenbach	<input type="checkbox"/>
	E1201	<i>Magnet-ficent Strength</i> Kylee Countryman - William Henry Middle School Sponsor - Christine Barrett Miller	<input type="checkbox"/>
	E1202*	<i>Deflate Gate?</i> Gannon Webb - Sussex Academy Sponsor - Lauren Hvorecny	<input type="checkbox"/>
	E1203	<i>Does The Amount Of Air Pressure In A Soccer Ball Affect How Far It Will Travel?</i> Katelyn Deal - Upper Pittsgrove School Sponsor - Danielle Taulane	<input type="checkbox"/>
	E1204	<i>Does Wright Affect Distance</i> Tyler Henry - William Henry Middle School Sponsor - Cheryl Tyrell	<input type="checkbox"/>
	E1206	<i>Parachute Designs</i> Ashley Ciampitti - St. Dorothy School Sponsor - Denise Ciampitti	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|-------|--|--------------------------|
| E1207 | <i>Spinning Wheels To Defy Gravity!</i>
Hardik Bhardwaj - William Allen Middle School
Sponsor - Lyndsay Pasi | <input type="checkbox"/> |
| E1208 | <i>How Much Can Light Bend?</i>
Emad Alawi - Haddonfield Friends School
Sponsor - Ben Chen | <input type="checkbox"/> |
| E1209 | <i>Magnificent Magnets</i>
Joshua Durham - ExCel
Sponsor - Deena Osmer | <input type="checkbox"/> |
| E1210 | <i>Bat Wars</i>
Liam Buckley - St. Mary Magdalen School
Sponsor - Maryanne Amalfitano | <input type="checkbox"/> |
| E1211 | <i>Flying Physics</i>
Anna Cool - Ursuline Academy
Sponsor - Eileen Koenig | <input type="checkbox"/> |
| E1212 | <i>Effect of Friction on Objects in Motion</i>
Bruno Gonzalez - Quarter Mile Lane School
Sponsor - Kathleen Sharp | <input type="checkbox"/> |
| E1215 | <i>Electronics Speakers We Hear Them All Around Us</i>
Anna Pryor - Ursuline Academy
Sponsor - Eileen Koenig | <input type="checkbox"/> |
| E1216 | <i>How the Strength of a Magnet Varies With Temperature</i>
Drew Cohen - St Peters School
Sponsor - Dirk Parker | <input type="checkbox"/> |
| E1218 | <i>Cracking under Pressure</i>
Noah Blair - Campus Community Charter School
Sponsor - Eric Morgan | <input type="checkbox"/> |
| E1219 | <i>Why Not Wind?</i>
Reil Abashera - Penn Alexander
Sponsor - Stephanie Kearney | <input type="checkbox"/> |
| E1221 | <i>What Effects Do Water, Soap, Vinegar, and Canola Oil Have On Surface Tension?</i>
Sophia Merlino - Toms River Intermediate North
Sponsor - Katie Keller | <input type="checkbox"/> |
| E1222 | <i>Refraction Of Light in Different Mediums</i>
Minseo Oh - Lenape Middle School
Sponsor - Jennifer Yeager | <input type="checkbox"/> |
| E1223 | <i>Does the Amount of Iron in Cereal Affect the Cereal's Magnetism?</i>
Diya Jariwala - Toms River Intermediate North
Sponsor - Katie Keller | <input type="checkbox"/> |

Delaware Valley Science Fairs 2017 Awards List

E1227	<i>She Shoots - She Scores</i> Kalei Chowdhry - The Jefferson School Sponsor - Jennifer Chowdhry	<input type="checkbox"/>
E1228	<i>Need For Speed</i> John Morrissey - Lower Alloways Creek School Sponsor - Stacy Sherman	<input type="checkbox"/>
E1229	<i>Going the Distance</i> Grace Quirk - Academy of Notre Dame de Namur Sponsor - Daniel Cushing	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Zoology (1300)

Award	Project	ISEF
First Place	E1317 <i>What is the Effect of Limestone on Acidified Cultures of Daphnia Magna?</i> Rahul Inaganti - Springhouse Middle School Sponsor - Scott Bauer	<input type="checkbox"/>
Second Place	E1310 <i>You Are What You Eat</i> Francis Sargente - Assumption Regional Catholic School Sponsor - Michael Sargente	<input type="checkbox"/>
Third Place	E1303 <i>Does Feeding Peanuts to Chickens Make Their Eggs Bigger?</i> Zosia Zabrenski - Owen J Roberts Middle School Sponsor - Jennifer Watt	<input type="checkbox"/>
Honorable Mention	E1304 <i>Daphnia Dilemma</i> Laurel Latt - Dock Mennonite Academy Middle School Sponsor - Lisa Reichley	<input type="checkbox"/>
Honorable Mention	E1308 <i>Can Natural Oils Act as Insecticide to Kill Mosquito Larvae?</i> Giovanna Onofrietti - Toms River Intermediate North Sponsor - Katie Keller	<input type="checkbox"/>
Honorable Mention	E1312 <i>The Effect of Common Household Products on Harvester Ants</i> Giovanna Consiglio - Arcola Intermediate School Sponsor - Cathy Stewart	<input type="checkbox"/>
	E1301 <i>Using Daphnia to Measure Water Toxicity</i> Anwar Lami - Woodrow Wilson MS Sponsor - Brian Mayger	<input type="checkbox"/>
	E1302 <i>Does the Change in Temperature Effect the Hatching Process</i> Samson Gerner - Bishop Schad Regional School Sponsor - Dana Ruegger	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

E1305	<i>Reducing Anxiety In Guinea Pigs When Traveling By Car</i> Leigh Herbst - Holicong Middle School Sponsor - Carrie Bannon	<input type="checkbox"/>
E1306	<i>What Types of Seeds Do Different Species of Birds Prefer?</i> Joseph DellaPenna - West Fallowfield Christian School Sponsor - Kim DellaPenna	<input type="checkbox"/>
E1307	<i>Dog Paw Preference</i> Savanna Harvey - Elsinboro Township School Sponsor - Joe Sarbello	<input type="checkbox"/>
E1309	<i>Hatching a New Idea to Incubate Chicks</i> Hana Yang - Orefield Middle School Sponsor - Dianne Caspersen	<input type="checkbox"/>
E1311	<i>Unnatural vs Natural Sugar on Mice</i> Vorith Tadjibaev - Baldi Middle School Sponsor - Mathew Scanlan	<input type="checkbox"/>
E1313	<i>Betta Fish Eating Habits</i> Madeleine Jackson - Campus Community Charter School Sponsor - Eric Morgan	<input type="checkbox"/>
E1314*	<i>More Water or Less?</i> Andrew McGurk - Mariner Middle School Sponsor - Kathleen Fisher	<input type="checkbox"/>
E1315	<i>Thermal Imaging of Different Mammal Species</i> Giovanni Calabrese - St. Dorothy School Sponsor - Michael Calabrese	<input type="checkbox"/>
E1316	<i>Green, Blue, Red: What Color Is Best For Your Hen?</i> Shannon Emmett - Oldmans Township School Sponsor - Jason Winistorfer	<input type="checkbox"/>
E1318	<i>When The Ants Go Marching In</i> Phoebe Cramer - St. Andrew School - Newtown Sponsor - Emily DeLaurentis	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Team Projects (1400)

Award	Project	ISEF
First Place	E1404 <i>The Science of Kevlar</i> Michael O'Rourke - Folsom Elementary School Domenic Scaffidi - Folsom Elementary School Sponsor - Chris Roth	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

Second Place	E1405	<i>Does Playing a Game on an iPad Affect Brain Performance</i> Shrish Bayyapu - Moorestown Upper Elementary School Viraj Pentapalli - Moorestown Upper Elementary School Raghav Akula - Moorestown Upper Elementary School Sponsor - April Sullivan	<input type="checkbox"/>
Third Place	E1406	<i>Value of the Battery</i> Joseph Georgescu - St. Andrew School - Newtown Sean Lehane - St. Andrew School - Newtown Sponsor - Emily DeLaurentis	<input type="checkbox"/>
Honorable Mention	E1402	<i>Different Soils Different Growth!</i> Noel King - Lower Alloways Creek School Samantha Farnkopf - Lower Alloways Creek School Sponsor - Stacy Sherman	<input type="checkbox"/>
Honorable Mention	E1410	<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 type="checkbox"/>
Honorable Mention	E1412	<i>Can Lithium Batteries Burn Through Store Bought Meat?</i> Julia Perate - St. Andrew School - Newtown Mackenzie Kelly - St. Andrew School - Newtown Sponsor - Emily DeLaurentis	<input type="checkbox"/>
	E1401	<i>Manure Madness</i> Haleigh Schafer - Assumption Regional Catholic School Kathleen Walls - Assumption Regional Catholic School Sponsor - Sheryl Cordivari	<input type="checkbox"/>
	E1403	<i>Reasons For Seasons</i> Marcos Rivera - Quarter Mile Lane School Colin Harrell - Quarter Mile Lane School Sponsor - Kathleen Sharp	<input type="checkbox"/>
	E1407	<i>Does Gender Affect Vision?</i> Mary Pietrowski - Quinton Township School Olivia Little - Quinton Township School Sponsor - Shane Manuel	<input type="checkbox"/>
	E1408	<i>Mendela Effect</i> Olivia Zimmerman - Saint Francis Xavier Mya Sulimay - Saint Francis Xavier Sponsor - Theresa O'Brien	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

E1409	<i>Detergent Detectives</i> Sukhman Kaur - Newark Charter School Emily Turner - Newark Charter School Sponsor - Andrea Narvaez	<input type="checkbox"/>
E1411	<i>The Strongest Bridge</i> Anthony D'Addezio - St. Joseph School Simon Ambrose - St. Joseph School Sponsor - Kim D'Addezio	<input type="checkbox"/>
E1413	<i>Effects of Different Solutions on Growth of Plant</i> Vishnu Gadicharla - Newark Charter School Luke Wedel - Newark Charter School Sponsor - Andrea Narvaez	<input type="checkbox"/>
E1414	<i>How to Determine Sound Energy Using a Laser</i> Madison Wilson - Arts Academy Charter Middle School Gabrielle Cadden-James - Arts Academy Charter Middle School Sponsor - Carole Ondiovic	<input type="checkbox"/>
E1415	<i>Bottled-Up Buoyancy</i> Jonathon Lopez - Buckshutem Road School Jenry Yoc - Buckshutem Road School Sponsor - Kristian Torchia	<input type="checkbox"/>

69th Delaware Valley Science Fair (E) - Consumer Science (1

Award	Project	ISEF
First Place	E1506 <i>Does A Metal Detector Perform Better In Wet Or Dry Conditions?</i> Stephen Padlo - Upper Pittsgrove School Sponsor - Danielle Taulane	<input type="checkbox"/>
Second Place	E1520 <i>Evaluating the Correlation between Price and an Advertised Attribute in Shampoo</i> Joanna Steinig - Steinig Family Homeschool Sponsor - Rodi Steinig	<input type="checkbox"/>
Third Place	E1507 <i>Firefighter Safety</i> Alexis Cramp - Indian Crest Middle School Sponsor - Jennifer Odenwald	<input type="checkbox"/>
Honorable Mention	E1501 <i>How Do Different Energy Drinks Affect the Amount of Electrolytes in the Human Body?</i> Michael Greenberg - Manalapan-Englishtown Middle School Sponsor - Marie Behnke	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

Honorable Mention	E1503	<i>Electrolytes and Where to Find Them</i> Jason Croly - Delran Middle School Sponsor - Eric Brown	<input type="checkbox"/>
Honorable Mention	E1514	<i>The Decomposition Rate of Recycled vs. Non Recycled Paper</i> Samiha Shahnawaz - Penn Alexander Sponsor - Charles Foster	<input type="checkbox"/>
Honorable Mention	E1521	<i>Which Pencil is the Best?</i> Dominic Dasilva - Abington Junior High School Sponsor - Ed Steinhardt	<input type="checkbox"/>
Honorable Mention	E1523	<i>How Does Fabric Softener Affect the Flammability of Fabrics</i> Alec Rodriguez - Campus Community Charter School Sponsor - Eric Morgan	<input type="checkbox"/>
	E1502	<i>How Different Proportions of Ingredients Affect the Outcome of a Cookie</i> Maria Recupero - Lenape Middle School Sponsor - Jennifer Yeager	<input type="checkbox"/>
	E1504	<i>What is the Best Laundry Stain Remover Brand?</i> Morgan Elizabeth Maloney - Nazareth Academy Grade School Sponsor - Susan Huijber	<input type="checkbox"/>
	E1505	<i>Lotion, The Perfect Potion</i> Julia Scholtz - St. Mary Magdalen School Sponsor - Maryanne Amalfitano	<input type="checkbox"/>
	E1508	<i>Sweet Edible Slime</i> Amahni Bussey - Cherry Street School Sponsor - Heather Engler	<input type="checkbox"/>
	E1509	<i>Which Insulation?</i> Marissa Civatte - Avon Grove Charter School Sponsor - Tim Civatte	<input type="checkbox"/>
	E1510	<i>What Shoots Better?</i> Emma Afflerbach - Aura Elementary School Sponsor - Ashley Davis/Heather Eckfeld	<input type="checkbox"/>
	E1511	<i>Let There Be Light!</i> Charles Pascual - St. Andrew School - Drexel Hill Sponsor - Amanda Hughes	<input type="checkbox"/>
	E1512	<i>Nail Polish-Price vs. Quality</i> Katrina Sudler - Campus Community Charter School Sponsor - Eric Morgan	<input type="checkbox"/>

Delaware Valley Science Fairs 2017 Awards List

E1513	<i>Which Brand Of Adhesive Bandage Can Withstand Water The Longest?</i> Ava Cahill - Toms River Intermediate North Sponsor - Katie Keller	<input type="checkbox"/>
E1515	<i>Suction Cup Ornament Holder For Mom</i> Natalie Perez - Buckshutem Road School Sponsor - Kristian Torchia	<input type="checkbox"/>
E1516*	<i>It's Too Loud!</i> Charlotte Miller - Beacon Middle School Sponsor - Christopher Lenhart	<input type="checkbox"/>
E1517	<i>The Big Bubble Experiment</i> Jaylea Landfried - William Henry Middle School Sponsor - Shawn Banks	<input type="checkbox"/>
E1518	<i>Tone Up The Tap</i> Mia DiLeonardo - Pittsgrove Township Middle School Sponsor - Kimberly Hetzell	<input type="checkbox"/>
E1519	<i>What Methods of Preservation Keep Food Fresh Longest?</i> Riley Gowney - Lenape Middle School Sponsor - Jennifer Yeager	<input type="checkbox"/>
E1522	<i>Oh What A Relief It Is: The Most Effective Antacid</i> Madeline Ladd - St. Agnes School Sponsor - Jill Ladd	<input type="checkbox"/>

69th Delaware Valley Science Fair (T) - Team Projects (1400)

Award	Project	ISEF
First Place	T1420 <i>The Neo-Sole Accelerometer-based Remote Communications Fall Detection Device</i> Saurabh Shah - Cherry Hill High School East Jake Brooks - Cherry Hill High School East Sponsor - Aileen Constans	<input type="checkbox"/>
Second Place	T1418 <i>Evaluating and Implementing Novel Statistical Models in Liver Cancer Screening</i> Joshua Liu - Methacton High School Jeremy Wang - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>
Third Place	T1407 <i>Reduction of Catastrophic Interference in Deep Neural Networks</i> Achyut Reddy - Methacton High School Ananth Dandibhotla - Methacton High School Sponsor - Robert Helm	<input type="checkbox"/>

Delaware Valley Science Fairs 2017

Awards List

- | | | | |
|-------------------|-------|---|--------------------------|
| Honorable Mention | T1406 | <i>The Effects of Coastal Angle of Elevation on Reflected Wave Energy</i>
Olivia Schailey - Marine Academy of Tech/Environmental Science
Kayla Mitchell - Marine Academy of Tech/Environmental Science
Sponsor - John Wnek | <input type="checkbox"/> |
| Honorable Mention | T1419 | <i>Self Phosphorylation of SMK1 in Yeast Cells</i>
Matthew Ha - Masterman
Theo Winter - Masterman
Sponsor - Kathleen Tait | <input type="checkbox"/> |
| Honorable Mention | T1423 | <i>Can Your Cell Phone Give You Diabetes</i>
Kejsi Rule - Central High School
Helen Li - Central High School
Yasmine Mezoury - Central High School
Sponsor - Van Truong | <input type="checkbox"/> |
| | T1401 | <i>Classy Cleaning Contraption</i>
Rachel Watson - Youth Achievers Committee
Ashley Clark - Youth Achievers Committee
Sponsor - Sherita Singleton | <input type="checkbox"/> |
| | T1402 | <i>Pasta Towers</i>
Katerina Connelly - Pennsville High School
Julianna Anderson - Pennsville High School
Cambria Luschen - Pennsville High School
Sponsor - Jennifer DuBarry-Paul | <input type="checkbox"/> |
| | T1403 | <i>Effect of Varying Heat Shock Temperatures on Transformation Efficiency of E.coli</i>
Andrew Colbert - Biotechnology High School
Fei Phua - Biotechnology High School
Winston Lei - Biotechnology High School
Sponsor - Ann MacLean | <input type="checkbox"/> |
| | T1404 | <i>Luminol vs. Temperature Change</i>
Katelyn Duell - Salem County Vocational Technical School
Gabriela Rosales - Salem County Vocational Technical School
Sponsor - Kristen Redkoles Polk | <input type="checkbox"/> |
| | T1405 | <i>The Effect of Limonene on the Synthetic Decomposition of Polystyrene</i>
Mikayla Horvath - Central Bucks High School- East
Claudia Eder - Central Bucks High School- East
Sponsor - Robert Meletti | <input type="checkbox"/> |

Delaware Valley Science Fairs 2017 Awards List

- | | | |
|-------|--|--------------------------|
| T1408 | <i>Eco-Friendly Thermal Insulator Vs. Commercial R3 Petroleum Based Insulator</i>
Kaushik Pasikanti - Charter School of Wilmington
Vignesh Parthiban - Charter School of Wilmington
Sponsor - Mark Mervine | <input type="checkbox"/> |
| T1409 | <i>Effects Of Coloring Chemicals On Human Hair</i>
Desarae Ladner - SCSSD (Daretown)
Keira Jones - SCSSD (Daretown)
Sponsor - Rick Hughes | <input type="checkbox"/> |
| T1410 | <i>Determining the Rate of Coagulation of Milk With Bromelain</i>
Doreen Sampeur - Upper Darby High School
Yen Nguyen - Upper Darby High School
Sponsor - Roseann Burns | <input type="checkbox"/> |
| T1411 | <i>The Effects of Triclosan on Lymnaea Stagnalis</i>
Maggie Oberschmidt - Charter School of Wilmington
Miracle Olatunji - Charter School of Wilmington
Sponsor - Chrissy Donahue | <input type="checkbox"/> |
| T1412 | <i>I'm Not Catching Your Signal</i>
Chang Ye - Vineland HS AMSA
Jake Cruz - Vineland HS AMSA
Sponsor - Vicki Yeager | <input type="checkbox"/> |
| T1413 | <i>Garlic's Effect on Bacteria</i>
Chikodi Ebo - Villa Joseph Marie High School
Riley Eisler - Villa Joseph Marie High School
Sponsor - Jacqueline Bellerby | <input type="checkbox"/> |
| T1414 | <i>Not My Cup of Tea</i>
Nina Caprice - Vineland HS AMSA
Alexis Nappa - Vineland HS AMSA
Sponsor - Vicki Yeager | <input type="checkbox"/> |
| T1415 | <i>Power Plants: An Investigation of the Efficiency of Polymer Solar Cells Using Various Species of Chlorophyll</i>
Sean Condon - Council Rock High School- North
Benjamin Melnick - Council Rock High School- North
Sponsor - Terese Grateful | <input type="checkbox"/> |
| T1416 | <i>Do Different Materials Prevent Damage From Catastrophic Earthquakes?</i>
Nathan Nazareth - Lenape Middle School
Roman Katona - Lenape Middle School
Sponsor - Jennifer Yeager | <input type="checkbox"/> |

Delaware Valley Science Fairs 2017 Awards List

- T1417 ***How Does Lunging Your Horse Affect Their Attitude?***
Amelia Casper - Salem County Vocational Technical School
Emilie March - Salem County Vocational Technical School
Sponsor - Kristen Redkoles Polk
- T1421* ***Microplastics Along the New Jersey Coastline***
Sierra Byrne - The Marine Academy of Science and Technology
Zoe Sucato - The Marine Academy of Science and Technology
Sponsor - Liza Baskin
- T1422* ***How Is Technology Used To Assist The Physically
Challenged?***
Sheikh Mahmud - Egg Harbor Township High School
Maxsim Berlenbach - Egg Harbor Township High School
Sponsor - Etzel Brower
-