

# 2017 Sponsored Awards

<b>ACCESS - Akron Council of Engineering &amp; Scientific Societies</b>					<b>100</b>
<b>Molly</b>	<b>Haines</b>	11	St. Vincent-St. Mary High School	Poly (ester urea)s for Soft Tissue Repair	<b>High School</b>
<b>ACCESS - Akron Council of Engineering &amp; Scientific Societies</b>					<b>100</b>
<b>Emma</b>	<b>Noffsinger</b>	8	Roswell Kent Middle School	The Affects of Ph And Rainfall Upon Biodegradable Trash Bags and Brown Paper Trash Bags: A Global Study	<b>Middle School</b>
<b>ACS - American Chemical Society (Cliff Schrader Award) (Akron section)</b>					<b>100</b>
<b>Lav</b>	<b>Patel</b>	12	Mentor High School	The Effect of Thermal Oxidative Stress on Antifoaming Fuel Efficiency in Motor Oils and Transmission Fluids	<b>High School</b>
<b>ACS - American Chemical Society (Cliff Schrader Award) (Akron section)</b>					<b>100</b>
<b>Sarah</b>	<b>Rogozinski</b>	7	Saint Raphael School	Liquid Plastic: The Effect of pH on Production of Casein Plastic	<b>Middle School</b>
<b>ADSPE - Akron District Society of Professional Engineers</b>					<b>50</b>
<b>Jailaun</b>	<b>Wallace</b>	10	Horizon Science Academy Cleveland High School	The spinner epidemic	<b>High School</b>
<b>Hayley</b>	<b>Muhvic</b>	9	Beaumont School	Doe the way a wire is braided affect its weight-bearing capacity?	<b>High School</b>
<b>ADSPE - Akron District Society of Professional Engineers</b>					<b>50</b>
<b>Alex</b>	<b>Massier</b>	8	Birchwood School of Hawken	Windmill Design: Factors That Affect Windmill Efficiency	<b>Middle School</b>
<b>Hunter</b>	<b>Seachrist</b>	8	Stanton Middle School	Reducing Industrial Accidents using Wireless Technology	<b>Middle School</b>

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<b>ASM International - The Materials Information Society (Akron section)</b>					<b>100 Each (3)</b>
<b>Claudia</b>	<b>Hamilton</b>	10	Hawken School	Study of the Polycaprolactone(PCL)/Poly(lactic acid)(PLA) Polymer Solution Blend to Improve Flexibility and Durability of an Artificial Blood Vessel Using the Plasma-enhanced Chemical Vapor Deposition Method (Vapor PECVD).	
<b>Benjamin</b>	<b>Stuk</b>	8	Ballard Brady Middle School	Venusian Space Suit	
<b>Hayley</b>	<b>Muhvic</b>	9	Beaumont School	Does the way a wire is braided affect its weight-bearing capacity?	
<b>ASME - American Society of Mechanical Engineers (Akron section)</b>					<b>50</b>
<b>Maximilian</b>	<b>Chmura</b>	10	St. Vincent St. Mary HS	Reduction of Cranial Impact from High-Speed Lacrosse Shots Utilizing Multi-Durometer, External Helmet Padding: A "Deflection" Design	<b>High School</b>
<b>ASME - American Society of Mechanical Engineers (Akron section)</b>					<b>50</b>
<b>Meghan</b>	<b>Bhanoo</b>	7	Notre Dame Elementary School	Bounce High, Bounce Low, Where Did The Energy Go?	<b>Middle School</b>
<b>ASQ - American Society for Quality</b>					<b>100 Each (2)</b>
<b>Caleb</b>	<b>Rykaczewski</b>	12	Mentor	The Effect of Seasonal Variation on Food Intake (Family Accipitridae)	
<b>Kaisal</b>	<b>Shah</b>	8	Hathaway Brown	Effect of Temperature on Number of New Influenza Cases	

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## Bridgestone Americas Tire Operations, LLC

150 Each (3)

<b>Alison</b>	<b>Kennedy</b>	12	Mentor High School	Evaluating the Effects of Plasma Functionalization on Carbon Nanotube Reinforced Polycarbonate Composites for a Possible Increase in Adhesion	<b>Chemistry</b>
<b>Michael</b>	<b>Chmura</b>	11	St. Vincent St. Mary HS	Molecular Dynamics Simulation of Polymer Droplets Spreading on a Surface Substrate	<b>Physics</b>
<b>Vikash</b>	<b>Modi</b>	11	Hawken School	Creating A Shape Memory Alloy Shape Setter	<b>Engineering</b>

## IEEE - Institute of Electrical & Electronics Engineers (Akron-Canton section)

50 Each (8)

<b>Grace</b>	<b>ElHindi</b>	9	Beaumont School	Photovoltaics, Furturistic Solution.
<b>John</b>	<b>Shin</b>	6	Birchwood School of Hawken	Wind Energy
<b>Hunter</b>	<b>Seachrist</b>	8	Stanton Middle School	Reducing Industrial Accidents using Wireless Technology
<b>Ryan</b>	<b>Tyler</b>	7	St. Paschal Baylon	The Power of Dirt
<b>Dewey</b>	<b>Black IV</b>	7	St. Rita Catholic School	A Battery that Makes Cents
<b>Colleen</b>	<b>Martin</b>	9	Beaumont	Silver Nanoparticles
<b>Jessica</b>	<b>Chang</b>		Hathaway Brown	The Effect of Increasing Electric Field Strengths on Bacterial Competency to Express Foreign Genes
<b>Edward</b>	<b>Dan</b>	9	Solon High School	How Can Phase Change Materials Reduce Energy Consumption

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<b>NESOWEA - Ohio Water Environment Association (Northeast section)</b>					
<b>Meghan</b>	<b>Kessinger</b>	10	Beaumont School	"Oh Gee, Look At All That Algae!"	<b>100</b>
<b>Sarah</b>	<b>Kikel</b>	11	Beaumont School	Phytoremediation: Accumuation and Translocation of Zinc and Copper in Brassica rapa	<b>50</b>
<b>ONR - Office of Naval Research</b>					<b>50 Each (5)</b>
<b>Yuhan</b>	<b>Kim</b>	10	Hudson High School	Physiological Effects of Acute Stress on Performance at a Task	<b>High School</b>
<b>Wenyao</b>	<b>Yang</b>	12	St. Vincent-St. Mary High School	Carbonized Zeolitic Imidazolate Framework for Supercapacitor Electrode	<b>High School</b>
<b>Ezra</b>	<b>Ramlo</b>	10	Hudson High School	Encrypting and Decrypting	<b>High School</b>
<b>Zichao</b>	<b>Hu</b>	11	St Vincent St Mary High School	Effect of polymer film structure on hydrophobicity	<b>High School</b>
<b>Jackson</b>	<b>Tankersley</b>	11	National Inventors Hall of Fame STEM High School	Light Up the Night: Analyzing the Electrical Output of a Urine Microbial Fuel Cell	<b>High School</b>
<b>ONR - Office of Naval Research</b>					<b>Certificate/ Medallion</b>
<b>Andrew</b>	<b>Hogan</b>	8	Archbishop Lyke School	Our Vets aren't Pets	
<b>Andrew</b>	<b>Karim</b>	7	St. Paschal Baylon	Parachutes: Does Size Matter?	
<b>Ohio Soybean Council</b>					<b>100 (3)</b>
<b>Kyle</b>	<b>Bender</b>	6	Holy Family School Stow	Grow Up - Soybean Growth Rates	<b>50 (team)</b>
<b>Colin</b>	<b>Doss</b>	6	Holy Family School Stow	Grow Up - Soybean Growth Rates	<b>50 (team)</b>
<b>Callie</b>	<b>Wabeke</b>	7	Royal Redeemer Lutheran School	Soybeans & Compost	<b>100</b>
<b>Kaitlin</b>	<b>Kemp</b>	9	St. Vincent- St. Mary	Toying with Soy(bean)s	<b>100</b>

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<b>Sigma Theta Tau - Delta Omega Chapter Nurses Honorary (Univ. of Akron)</b>					<b>100 Each (2)</b>
<b>Noria</b>	<b>Nuru</b>	7	Miller South	Vegan Vs. Non-Vegan, Will It Dissolve	
<b>Monisha</b>	<b>Rai</b>	9	North High	Evaluating Different Salts to Safely Prevent Freezing Refugee Camp Drinking Water	
<b>SPE - Society of Plastics Engineers (Akron Section)</b>					<b>50 (2)</b>
<b>Meijin</b>	<b>Li</b>	12	St.Vincent-St.Mary High School	ZnO as buffer layer in Polymer Solar Cells	
<b>Devank</b>	<b>Patel</b>	11	Mentor High School	Adhesive Forces Between Identical Polymer Surfaces	
<b>SPIE - The Society of Photo-Optical Instrumentation Engineers</b>					<b>150/100/50</b>
<b>Ryan</b>	<b>Anthony</b>	8	Academy of St. Adalbert	The Effect of Concentration and the Maillard Reaction on the Optical Activity of Fructose, Glucose, and Sucrose	<b>150 Middle School</b>
<b>Shruthi</b>	<b>Ravichandran</b>	8	Birchwood School of Hawken	Do Coronal Mass Ejections Correlate with the Solar Sunspot Cycle?	<b>100 Middle School</b>
<b>Adam</b>	<b>Khan</b>	5	Walls Elementary	The Interaction of Light and Liquid Crystals	<b>50 Middle School</b>
<b>SPIE - The Society of Photo-Optical Instrumentation Engineers</b>					<b>250/150/100</b>
<b>Grace</b>	<b>ElHindi</b>	9	Beaumont School	Photovoltaics, Furturistic Solution.	<b>250 High School</b>
<b>Meijin</b>	<b>Li</b>	12	St.Vincent-St.Mary High School	ZnO as buffer layer in Polymer Solar Cells	<b>150 High School</b>
<b>Batuhan</b>	<b>Aslan</b>	12	Horizon Science Academy Cleveland High School	Self-Powered Solar Panel That Follows the Sun	<b>100 High School</b>