

# 2013

# Sponsored Awards

<b>Bridgestone Americas Tire Operations, LLC</b>				
Emily	Baker	12	St. V-M High School	Superhydrophobic Polymer Surfaces
<b>ONA - Ohio Nurses Association</b>				
Iulia	Barbur	10	Hudson High School	The Estimated Exposure of a First-grader, Dog, and Baby to the Phthalate Family of Esters
<b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>				
Michael	Beke	7	Sacred Heart of Jesus	The Magnetic Car
<b>ASME - American Society of Mechanical Engineers</b>				
Harison	Bhanoo	8	Notre Dame Elementary School	Material Handling Robot
<b>ADSPE - Akron District Society of Professional Engineers</b>				
Emily	Boes	11	Beaumont School	Pervious Concrete: Environmentally Friendly or a Wasted Resource?
<b>ASM International - The Materials Information Society</b>				
Sarah	Bork	12	Mentor High School	Materials Characterization of Polymers for Diamond-on-Polymer Electrode Devices
<b>ACCESS - Akron Council of Engineering &amp; Scientific Societies</b>				
Jacob	Brawley	6	Stanton Middle School	Soil Liquefaction
<b>ASCE - American Society of Civil Engineers</b>				
Yun Molly	Cao Frabotta	9	Hudson High School	The Effect of Dam Structure on Dam Stability
<b>ADSPE - Akron District Society of Professional Engineers</b>				
Yun Molly	Cao Frabotta	9	Hudson High School	The Effect of Dam Structure on Dam Stability
<b>OWEA - Ohio Water Environment Association</b>				
Michael	Chmura	7	St. Hilary School	The Effect of pH on Biodigester Efficiency
<b>Sigma Theta Tau - Delta Omega Chapter Nurses Honorary (Univ. of Akron)</b>				
Mariah	Costa	10	St. V-M High School	Fatal Bathroom Fall Prevention and Detection
<b>GMP Friction Products</b>				
Sydney	Demechko	8	St. Hilary School	The Amount of Friction Different Textures Have on Objects in Motion
<b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>				
Angel	Estrada	10	Hudson High School	An App Designed for Finding the Perfect Handle Heights
<b>ONA - Ohio Nurses Association</b>				
Kyle	Fertig	8	N.I.H.F. STEM	iPod-itis
<b>Sigma Theta Tau - Delta Omega Chapter Nurses Honorary (Univ. of Akron)</b>				
Katherine	Friess	10	St. V-M High School	Imitating a Grapevine to Design a New Suturing System
<b>Peters, Tschantz, &amp; Associates</b>				
Luke	Haymond	6	St. Raphael School	The Effect of the Number of Blades on the Electrical Output of Wind Turbines
<b>Ohio Soybean Council</b>				
Ben Michael	Hoffman Mendiola	9	Hudson High School	Environmental Control System
<b>Bridgestone Americas Tire Operations, LLC</b>				
Preston	Hollopeter	11	St. V-M High School	Revolutionizing the World with Recyclable Rubber
<b>ACS - American Chemical Society (Cliff Schrader Award)</b>				
Kyunghan (Chris)	Kim	9	Hudson High School	A Comparative Analysis of Natural Food Thickeners
<b>SPIE - An international society advancing an interdisciplinary approach to the science and application of light</b>				
Krisztian	Kosa	10	Hudson High School	Observing Fractal Behaviors in Liquid Crystals
<b>Ohio Soybean Council</b>				
Jacob	Kulig	6	Holy Family School	The Effects of CO2 on Plant Growth

# Sponsored Awards

<b>ASME - American Society of Mechanical Engineers</b>				
Ian	Mail	6	Stanton Middle School	The Effect of a Dimpled Surface on Model Rocket Altitude
<b>AICHE - American Institute of Chemical Engineers</b>				
Laura	O'Meara	9	Beaumont School	Stop The Flame
<b>Bridgestone Americas Tire Operations, LLC</b>				
Julia	Parker	11	Beaumont School	Measuring Knee Stress With A Mechanical Model
<b>ASQ - American Society for Quality</b>				
Varney	Pelima	8	North Akron Catholc	Bubble Science
<b>ASM International - The Materials Information Society</b>				
Courtney	Prebul	12	Beaumont School	Rusting Out: How Acids Affect the Rate of Corrosion
<b>SPIE - An international society advancing an interdisciplinary approach to the science and application of light</b>				
Arjun	Ramachandran	8	Solon Middle School	Can The UV From the Sun Kill Bacteria In Water
<b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>				
Rohit	Rambhatla	7	Solon Middle School	How Does the Acidity of Different Fruits Affect the Voltage when Made into a Voltaic Cell?
<b>ACS - American Chemical Society (Cliff Schrader Award)</b>				
Elise	Rogozinski	6	St. Raphael School	Chilly Chillers: The Cooling Effect of an Ice Cube's Surface Area on Water
<b>OWEA - Ohio Water Environment Association</b>				
Randon Justin	Rybak Sensuskas	8	Incarnate Word Academy	Which Lake Erie Tributary has the Highest Concentration of Phosphorus and How does Rainfall Effect the Results?
<b>ASM International - The Materials Information Society</b>				
Isabella	Sparhawk	12	St. V-M High School	Antimicrobial Silver Nanoparticle Coating for Touch Screen Devices
<b>SPIE - An international society advancing an interdisciplinary approach to the science and application of light</b>				
Shreyas	Tallamraju	10	Solon High School	Optical Music Reading Combined with Music Recognition Algorithms for Fast and Efficient Music Detection
<b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>				
Faith	Voinovich	10	Hudson High School	Reduce Your Hospital Stress: No More Annoying MRIs
<b>ACCESS - Akron Council of Engineering &amp; Scientific Societies</b>				
Derek	Whiddon	11	St. V-M High School	Finding the Most Effective Percent Composition of Hydrophilic and Hydrophobic Polymer Nanofibers to Yield Bacterial Resistance
<b>Ohio Soybean Council</b>				
Derek	Whiddon	11	St. V-M High School	Finding the Most Effective Percent Composition of Hydrophilic and Hydrophobic Polymer Nanofibers to Yield Bacterial Resistance
<b>OWEA - Ohio Water Environment Association</b>				
Rachel	Yurchisin	12	Padua Franciscan High School	Assesing Stream Bank Erosion in the Cuyahoga River Watershed