

# 2014 Sponsored Awards

|   |            |    |  |  |                         |
|---|------------|----|--|--|-------------------------|
| <b>ONA - Ohio Nurses Association</b>  |            |    |  |  | \$50                    |
| Iulia   | Barbur     | 11 | Hudson High School                     | A Comparison Study on the Efficacy of various Chemotherapy Drug Decontamination Methods in Cancer Treatment Centers                        |                         |
| <b>Sigma Theta Tau - Delta Omega Chapter Nurses Honorary (Univ. of Akron)</b> |            |    |  |  | \$50                    |
| Iulia   | Barbur     | 11 | Hudson High School                     | A Comparison Study on the Efficacy of various Chemotherapy Drug Decontamination Methods in Cancer Treatment Centers                        |                         |
| <b>ASM International - The Materials Information Society</b>                  |            |    |  |  | \$100                   |
| Matt  | Bisbee     | 10 | Hudson High School                     | Strength V.S Weight  |                         |
| <b>ADSPE - Akron District Society of Professional Engineers</b>               |            |    |  |  | \$50                    |
| Mica  | Brooks     | 11 | Our Lady of the Elms High School       | The Tensile Strength of a Wood Adhesive on Varying Surface Conditions  |                         |
| <b>ACCESS - Akron Council of Engineering &amp; Scientific Societies</b>       |            |    |  |  | \$100                   |
| Yennmay   | Chia       | 12 | Beaumont High School                   | Maximum Power Point Tracking, Load Resistance, And Solar Irradiation Profiles Effects on Solar Panels                                      |                         |
| <b>Ohio Soybean Council</b>   |            |    |  |  | \$100                   |
| Elena   | Ciolti     | 7  | Perry Middle School                    | How Do Your Soybeans Grow?   |                         |
| <b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>             |            |    |  |  | \$50                    |
| Opal  | Contizano  | 10 | West Geauag High School                | Salt Bridge Cells and Conductivity   |                         |
| <b>ADSPE - Akron District Society of Professional Engineers</b>               |            |    |  |  | \$50                    |
| Grace   | Frey       | 7  | St. Raphael School                     | The Structural Dissipation of Wave Energy  |                         |
| <b>ASCE - American Society of Civil Engineers</b>                             |            |    |  |  | \$50                    |
| Abby  | Georgiadis | 8  | St. Raphael School                     | Break, Beam, Break   |                         |
| <b>ASM International - The Materials Information Society</b>                  |            |    |  |  | \$100                   |
| John  | Giles      | 12 | St. Vincent - St Mary High School      | Increasing the Yield of Pure Tin Electroplating Via the Application of an Electrolytic System  |                         |
| <b>ONR - Office of Naval Research</b>   |            |    |  |  | \$50                    |
| Kimberly  | Gliebe     | 12 | Mentor High School                     | Synthesis of Organic Materials for Photovoltaics   |                         |
| <b>ACS - American Chemical Society (Cliff Schrader Award)</b>                 |            |    |  |  | \$100                   |
| Victoria  | Grabinski  | 11 | West Geauag High School                | Transition Metal Inhibitors and Natural Chelators on the Catalytic Decomposition of Hydrogen Peroxide: Implications in Alzheimer's Disease |                         |
| <b>OWEA - Ohio Water Environment Association</b>                              |            |    |  |  | \$25                    |
| Kate  | Greer      | 10 | Hudson High School                     | Northeast Ohio Water Testing   |                         |
| <b>ONR - Office of Naval Research</b>   |            |    |  |  | Certificate & Medallion |
| Adam  | Gross      | 8  | Solon Middle School                    | How do the Angle of Winglets on an Aircraft effect its amount of Lift and Drag?  |                         |
| <b>Sigma Theta Tau - Delta Omega Chapter Nurses Honorary (Univ. of Akron)</b> |            |    |  |  | \$50                    |
| Isha  | Gupta      | 8  | Solon Middle School                    | Does an apple a day always keeps the doctor away?  |                         |
| <b>Ohio Soybean Council</b>   |            |    |  |  | \$100                   |
| Andras  | Juhasz     | 8  | Incarnate Word Academy                 | Saving the Soybean Plant by altering aphid microbiota flora  |                         |
| <b>OWEA - Ohio Water Environment Association</b>                              |            |    |  |  | \$25                    |
| Leah  | Kessler    | 10 | Hudson High School                     | Northeast Ohio Water Testing   |                         |
| <b>ONR - Office of Naval Research</b>   |            |    |  |  | Certificate & Medallion |
| Zoya  | Khan       | 8  | Our Lady of the Elms Elementary School | Diving Deep  |                         |
| <b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>             |            |    |  |  | \$50                    |
| Danny   | Kim        | 10 | Hudson High School                     | Efficient Data Transfer Through Visible Light Communication (VLC)  |                         |
| <b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>             |            |    |  |  | \$50                    |
| Krisztian   | Kosa       | 11 | Hudson High School                     | STEM Management System: A Web-Based Implementation To Simplify Project Management  |                         |
| <b>ONR - Office of Naval Research</b>   |            |    |  |  | \$50                    |
| Krisztian   | Kosa       | 11 | Hudson High School                     | STEM Management System: A Web-Based Implementation To Simplify Project Management  |                         |



|   |                     |    |  |   |  |                         |
|---|---------------------|----|--|---|--|-------------------------|
| <b>ONR - Office of Naval Research</b>                                   |                     |    |  |   |  | Certificate & Medallion |
| <b>Adesh</b>  | <b>Labhassetwar</b> | 8  | Solon Middle School                                    | HOVERCRAFTS   |  |                         |
| <b>ACCESS - Akron Council of Engineering &amp; Scientific Societies</b> |                     |    |  |   |  | \$100                   |
| <b>Ian</b>  | <b>Mail</b>         | 7  | Stanton Middle School                                  | Comparing Altitude of Dimpled Nose Cone Rockets with Dimpled and Smooth Body Tubes  |  |                         |
| <b>ASME - American Society of Mechanical Engineers</b>                  |                     |    |  |   |  | \$50                    |
| <b>Ian</b>  | <b>Mail</b>         | 7  | Stanton Middle School                                  | Comparing Altitude of Dimpled Nose Cone Rockets with Dimpled and Smooth Body Tubes  |  |                         |
| <b>Bridgestone Americas Tire Operations, LLC</b>                        |                     |    |  |   |  | \$150                   |
| <b>Zeynep</b>   | <b>Ozgun</b>        | 9  | Hudson High School                                     | MedMinder Smart Medicine Box  |  |                         |
| <b>ONR - Office of Naval Research</b>                                   |                     |    |  |   |  | \$50                    |
| <b>Zeynep</b>   | <b>Ozgun</b>        | 9  | Hudson High School                                     | MedMinder Smart Medicine Box  |  |                         |
| <b>ASQ - American Society for Quality</b>                               |                     |    |  |   |  | \$100                   |
| <b>Gani</b>   | <b>Perez</b>        | 10 | Hudson High School                                     | The Effect of Subliminal Bias on Judgement and Perception   |  |                         |
| <b>OWEA - Ohio Water Environment Association</b>                        |                     |    |  |   |  | \$75                    |
| <b>Natalie</b>  | <b>Petit</b>        | 9  | St. Vincent - St Mary High School                      | Effects of Watershed Imperviousness on Stream Macroinvertebrates  |  |                         |
| <b>ONR - Office of Naval Research</b>                                   |                     |    |  |   |  | Certificate & Medallion |
| <b>Pauline</b>  | <b>Povitsky</b>     | 8  | Solon Middle School                                    | Enhancing Night Vision  |  |                         |
| <b>ASCE - American Society of Civil Engineers</b>                       |                     |    |  |   |  | \$50                    |
| <b>Alyvia</b>   | <b>Priore</b>       | 8  | St. Raphael School                                     | Break, Beam, Break  |  |                         |
| <b>Bridgestone Americas Tire Operations, LLC</b>                        |                     |    |  |   |  | \$150                   |
| <b>Madison</b>  | <b>Pugh</b>         | 7  | Miller South School for the Visual and Performing Arts | Grafting Soybean Oil with Superabsorbent Polymer  |  |                         |
| <b>IEEE - Institute of Electrical &amp; Electronics Engineers</b>       |                     |    |  |   |  | \$50                    |
| <b>Amaya</b>  | <b>Razmi</b>        | 8  | Hathaway Brown School                                  | The Effect of Changing Wire Gauge and Wire Length on Current Generation   |  |                         |
| <b>ONA - Ohio Nurses Association</b>                                    |                     |    |  |   |  | \$50                    |
| <b>Snehi</b>  | <b>Shah</b>         | 7  | Incarnate Word Academy                                 | How do loud sounds affect human hearing, concentration, symptoms, pulse, and blood pressure?  |  |                         |
| <b>Bridgestone Americas Tire Operations, LLC</b>                        |                     |    |  |   |  | \$150                   |
| <b>Klaudia</b>  | <b>Sirk</b>         | 10 | Beaumont High School                                   | Does the Size of Recycled Tire-Derived Backfill Material Affect the Material's Compaction Under Load?                                   |  |                         |
| <b>ACS - American Chemical Society (Cliff Schrader Award)</b>           |                     |    |  |   |  | \$100                   |
| <b>Zachariah</b>  | <b>Stone</b>        | 8  | National Inventors Hall of Fame STEM Middle School     | A Home Engineered Centrifuge Can Produce High Quality Genomic DNA for Analysis Using NanoDrop Spectrophotometer and Gel Electrophoresis |  |                         |
| <b>ONR - Office of Naval Research</b>                                   |                     |    |  |   |  | \$50                    |
| <b>Emily</b>  | <b>Teutsch</b>      | 10 | Hudson High School                                     | The Elegant Use of Force: Ballet  |  |                         |
| <b>ASME - American Society of Mechanical Engineers</b>                  |                     |    |  |   |  | \$50                    |
| <b>Vivi</b>   | <b>Voinovich</b>    | 9  | Hudson High School                                     | Sensible Heat Changes Using Thermal Conductive Properties of Different Metals as Heat Exchangers  |  |                         |
| <b>ASM International - The Materials Information Society</b>            |                     |    |  |   |  | \$100                   |
| <b>Jennifer</b>   | <b>Wang</b>         | 7  | Hathaway Brown School                                  | The effect of heat on Fatigue Limit   |  |                         |
| <b>ONR - Office of Naval Research</b>                                   |                     |    |  |   |  | \$50                    |
| <b>Alexander</b>  | <b>Weber</b>        | 11 | St. Vincent - St Mary High School                      | Utilizing Molecular Dynamics Simulations of Crystalline Poly(3-hexylthiophene) to Study Water Diffusion                                 |  |                         |
| <b>Ohio Soybean Council</b>   |                     |    |  |   |  | \$100                   |
| <b>Erica</b>  | <b>Wolf</b>         | 12 | St. Vincent - St Mary High School                      | Effect of Various De-Icers on Annual Ryegrass   |  |                         |