

★ ★ ★ **2018 SPONSORED AWARDS** ★ ★ ★

[ACCESS - Akron Council of Engineering & Scientific Societies]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Best High School Project	Jack	Hakes	10	Hudson High School - Hudson	Assisting ESL Students' Vocabulary Through Technology
\$100 Best High School Project	Sea	Scarnecchia	10	Hudson High School - Hudson	Assisting ESL Students' Vocabulary Through Technology
\$100 Best Middle School Project	Arya	Sambandan	8	Solon Middle School - Solon	Cyber Security Vulnerabilities in Connected Medical Devices

[ADSPE - Akron District Society of Professional Engineers]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$50 Best Engineering Project - High School	Darrell	Davis	9	National Inventors Hall of Fame School Center for STEM - Akron	Project Clean The Air
\$50 Best Engineering Project - High School	Jordan	Dickerson	9	National Inventors Hall of Fame School Center for STEM - Akron	Project Clean The Air
\$50 Best Engineering Project - Middle School	Eric	Vaziri	7	Birchwood - Cleveland	Do Solar Panels Work Better Underwater or On Land

[ACS - American Chemical Society (Cliff Schrader Award) (Akron Section)]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 High School	Jing-Jing	Shen	11	Beachwood High School - Beachwood	Investigation of the Disease Mechanism and Treatment of Diversion Colitis (In-vitro study)
\$100 Middle School	Nathan	Dando	6	St. Raphael - Bay Village	Jui"C"y Science: How to Get the "Max" Vitamin C from your Orange Juice

[ASQ - American Society for Quality]

Award Info.	First Name	Last Name	Grade	School	Project Title
Best Use of Statistics	Neil	Tewari	11	Hawken School - Chesterland	Investigation of the Adhesive Characteristics of Sickle Red Blood Cells in Protein Immobilized Microfluidic Channels
Best Use of Statistics	Kristen	Buse	12	Mentor High School - Mentor	Quantifying Spatial Structure in Herbaceous-Layer Plant Communities

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[ASCE - American Society of Civil Engineers (Akron-Canton Section)]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Best High School Civil Engineering Project	Jake	Pentasuglio	10	St. Vincent St. Mary - Akron	Different Plants Reduce Nitrogen Runoff
\$100 Best Middle School Civil Engineering Project	Elba	Heddesheimer	7	Incarnate Word Academy - Parma Heights	Biogas

[ASME - American Society of Mechanical Engineers (Akron Section)]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$50 Best High School Mechanical Engineering Project	Robert	Sunderhaft	10	Kenston High School - Chagrin Falls	Smart Mirror
\$50 Best Middle School Mechanical Engineering Project	Tyler	Gay	7	Archbishop Lyke-St. Henry Campus - Cleveland	What is Ferrofluid?
\$50 Best Middle School Mechanical Engineering Project	LeJon	Woods	7	Archbishop Lyke-St. Henry Campus - Cleveland	What is Ferrofluid?

[ASM International - The Materials Information Society (Akron Section)]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Best Materials Project	Isabelle	Davis	10	St. Vincent St. Mary - Akron	The Effect of An Olefin Ionomer of Zinc-Neutralized Poly(ethylene-co-methacrylic acid) Shell and a Polycarbonate Core Filament on the Printability and Strength of a Complex Structure
\$100 Best Materials Project	Samantha	Betts	10	Hudson High School - Hudson	The Efficiency of Various Truss Types Under Tension
\$100 Best Materials Project	Beckett	Hahn	6	Academy of St. Adalbert - Berea	How Does Temperature Affect the Stretchiness of Slime?

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[Bridgestone Americas Tire Operations, LLC]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$150 Best Chemistry Project	Edward	Dan	10	Solon High School - Solon	A Novel Hot-Melt-Pressure-Sensitive-Adhesive for Reusable Mail Envelopes and Packages
\$150 Best Physics Project	Isabelle	Davis	10	St. Vincent St. Mary - Akron	The Effect of An Olefin Ionomer of Zinc-Neutralized Poly(ethylene-co-methacrylic acid) Shell and a Polycarbonate Core Filament on the Printability and Strength of a Complex Structure
\$150 Best Engineering Project	Zichao	Hu	12	St. Vincent St. Mary - Akron	Using Python to Create initial Configurations for Molecular Dynamics Simulations of Block Copolymers

[IEEE - Institute of Electrical & Electronics Engineers (Akron-Canton Section)]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$25 Exceptional Electrical-related Project	Audrey	Zorman	9	Beaumont School - Cleveland Heights	Investigating the Stretchable Properties of Electrically Conductive Polymers for Wearable Electronics
\$25 Exceptional Electrical-related Project	Bryn	Morgan	7	West Geauga Middle School - Chesterland	IoT Smart Home
\$25 Exceptional Electrical-related Project	Peter	Wesen	7	West Geauga Middle School - Chesterland	IoT Smart Home
\$25 Exceptional Electrical-related Project	Antonio	Linek	11	West Geauga High School - Chesterland	Piezoelectric Power
\$25 Exceptional Electrical-related Project	Maria	Benevento	7	St. Raphael - Bay Village	Celestial Sun Block
\$25 Exceptional Electrical-related Project	Justin	Bremner	7	St. Rita - Solon	Survival of the Brightest
\$25 Exceptional Electrical-related Project	Paige	Swaney	5	National Inventors Hall of Fame School Center for STEM - Akron	Colorful Solar Power
\$25 Exceptional Electrical-related Project	Adam	Khan	6	Stanton Middle School - Kent	The Interaction of the Electric Field and Liquid Crystals
\$25 Exceptional Electrical-related Project	Meghan	Bhanoo	8	Notre Dame School - Chardon	Polar Express: Magnetic Levitation

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[NESOWEA - Ohio Water Environment Association (Northeast Section)]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Best Project	Bryan	Rego	11	University School - College Prep - Chagrin Falls	Microplastic Consumption by Freshwater Mussels in a Mesocosm
\$50 Honorable Mention	Jake	Pentasuglio	10	St. Vincent St. Mary - Akron	Different Plants Reduce Nitrogen Runoff
\$50 Honorable Mention	Jillian	Wilde	8	Incarnate Word Academy - Parma Heights	Saving Our Water in a Crisis: What Absorbs the Most Oil?

[ONR - Office of Naval Research]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$50, Certificate, & Medallion - High School	Craig	Van Demark	12	Mentor High School - Mentor	An Analysis of Glacial Till in Northeast Ohio
\$50, Certificate, & Medallion - High School	Grace	ElHindi	10	Beaumont School - Cleveland Heights	Retroreflectivity and Night Time Visibility, The Effect of Reflective Glass Media Size on Retroreflectivity Performance of Pavement Markings
\$50, Certificate, & Medallion - High School	Nina	Bauman	12	Mentor High School - Mentor	How Citizens Can Better Protect Themselves From The Harmful Effects Of Radon Emissions Found In Residential Homes
\$50, Certificate, & Medallion - High School	Adityasai	Pakki	12	Mentor High School - Mentor	Physicomimetics: A Machine Learning Approach
\$50, Certificate, & Medallion - High School	Michael	Scheeser	9	Hudson High School - Hudson	Increasing Solar Power Using Reflective Surfaces
\$50, Certificate, & Medallion - Middle School	John	Shin	7	Birchwood - Cleveland	Predicting Geomagnetic Storm Activity with GPS
\$50, Certificate, & Medallion - Middle School	Darelle	Thornton	7	Litchfield Middle School - Akron	Tsunami Warning System

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[Ohio Nurses Association - Summit and Portage District]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Best Health Care Project - High School	Isabella	Phillips	11	Mentor High School - Mentor	Newborn Physiology and Behaviors When Skin-to-Skin With Mother
\$75 Best Health Care Project - Middle School	Arya	Sambandan	8	Solon Middle School - Solon	Cyber Security Vulnerabilities in Connected Medical Devices

[Ohio Soybean Council]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Ohio Soybean Bioscience Award	Maeve	Gaffney	9	St. Vincent St. Mary - Akron	The Effects of Plant Species on Energy Produced in Soil
\$100 Ohio Soybean Bioscience Award	Colin	Doss	7	Holy Family - Stow	Freeze, Seed! A Soybean Project
\$100 Ohio Soybean Bioscience Award	Spencer	Rettkowski	7	Holy Family - Stow	Freeze, Seed! A Soybean Project
\$100 Ohio Soybean Bioscience Award	Luke	Bracken	7	Incarnate Word Academy - Parma Heights	The Effect of Hydrogen Peroxide on Hydroponically Grown Soybeans

[Sigma Theta Tau - Delta Omega Chapter Nurses Honorary (The University of Akron)]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Best Nursing-related Project	Morgan	Hudson	8	Archbishop Lyke - St. Henry Campus - Cleveland	Suds at Work
\$100 Best Nursing-related Project	Neil	Tewari	11	Hawken School - Chesterland	Investigation of the Adhesive Characteristics of Sickle Red Blood Cells in Protein Immobilized Microfluidic Channels

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[Society of Photo-Optical Instrumentation Engineers (SPIE)]

Award Info.	First Name	Last Name	Grade	School	Project Title
Optics and Photonics Special Award, Grades 5-8 - \$150, First Place	Nathan	Jones	6	National Inventors Hall of Fame School Center for STEM - Akron	What Places in Our Solar System are Most Suitable for Extraterrestrial Life?
Optics and Photonics Special Award, Grades 5-8 - \$100, Second Place	Adam	Khan	6	Stanton Middle School - Kent	The Interaction of The Electric Field and Liquid Crystals
Optics and Photonics Special Award, Grades 5-8 - \$50, Third Place	Mehul	Lakhanpal	7	Incarnate Word Academy - Parma Heights	Does the Angle of a Solar Panel Affect Battery Charge?
Optics and Photonics Special Award, Grades 9-12 - \$250, First Place	Parker	Ernst	10	University School - College Prep - Chagrin Falls	Protection of Retinal Cells from Light-Induced Apoptosis
Optics and Photonics Special Award, Grades 9-12 - \$150, Second Place	Robert	Sunderhaft	10	Kenston High School - Chagrin Falls	Smart Mirror
Optics and Photonics Special Award, Grades 9-12 - \$100, Third Place	Tingzhang	Li	11	St. Vincent St. Mary - Akron	Matrix-assisted Laser Desorption Ionization Mass Spectrometry Imaging (MALDI-MSI) of a Small Molecule Drug Distribution in 3D Printed Polymer Scaffolds

[Ohio Tuition Trust Authority]

Award Info.	First Name	Last Name	Grade	School	Project Title
	Marie	Musbach	7	St. Paschal Baylon - Cleveland	Shine Bright
	Nathan	Dando	6	St. Raphael - Bay Village	Jui" C"y Science: How to Get the "Max" Vitamin C from your Orange Juice
Alternates	Charles	Pafford	7	Incarnate Word Academy - Parma Heights	Preparing for Space Exploration: Additive Manufacturing at Point of Use
Alternates	Rae	Ehrbar	8	West Geauga Middle School - Chesterland	Can You Hear Me Now?