



2020 SPONSORED AWARDS



[Ohio Tuition Trust Authority]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$250 deposit to OTTA account	Giancarlo	Cefaratti	7	St Anselm - Chesterland	A Decoupled Aquaponics System Improves the Production, Yield and Quality of Microgreens within the Brassicaceae and Asteraceae Families vs. a Traditional Coupled Aquaponics System
\$250 deposit to OTTA account	Ruth	Adams Gemmell	8	St Vincent De Paul - Akron	Gobble, Gobble, Gone! Eliminating Hepatotoxins Caused by Cyanobacteria: A Study of the Grazing Habits of Paramecium Caudatum on Microcystis Aeruginosa in a Eutrophic Environment
Alternates \$25 Gift Certificate	Kaitlyn	Ernst	8	Laurel School - Shaker Heights	A Novel Method of Creating Electricity via A Thermoelectric Generator Fueled By Heat Waste Energy from Compost
Alternates \$25 Gift Certificate	Zoltan	Kotrebai	8	St Paschal Baylon - Cleveland	Energy Efficiency of LED Lighting (Investigating the Reasons for LED Light Source Efficiency Over Incandescent Light Sources and Calculating the Savings from Switching to an all LED Household)

[ACESS - Akron Council of Engineering & Scientific Societies]

Award Info.	First Name	Last Name	Grade	School	Project Title
Best Overall Middle School (\$50): 1st	Isabella	Rambler	8	National Inventors Hall of Fame School Center for STEM - Akron	Not Fake News: Climate Change is Real
Best Overall Middle School (\$50): 2nd	Sasha	Taylor	8	National Inventors Hall of Fame School Center for STEM - Akron	How Humidity Affects Strands of Hair
Best Overall High School (\$50): 1st	Zuha	Jaffar	11	Hathaway Brown - Shaker Heights	Localized Dual Cancer Drug Delivery from Affinity-Based Devices
Best Overall High School (\$50): 2nd	Alex	Devine	10	The University School - College Prep - Chagrin Falls	Sunscreen to Solar Power: Creating and Testing a Zinc Oxide Dye Sensitized Solar Cell

[ADSPE - Akron District Society of Professional Engineers]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$50 for best project - 1st Place	Kaitlyn	Ernst	8	Laurel School - Shaker Heights	A Novel Method of Creating Electricity via A Thermoelectric Generator Fueled By Heat Waste Energy from Compost
\$50 for best project - 2nd Place	Jacob	Rintamaki	10	Westlake High School - Westlake	Transformable Tents: A Novel Design To Aid Humanitarian Efforts



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[ACS - American Chemical Society]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 High School	Shruthi	Ravichandran	11	Hathaway Brown - Shaker Heights	Targeted Delivery of Immune Agonists for Antitumoral Response of the Tumor Microenvironment
\$100 Middle School	Noel	Maddox	7	St Raphael - Bay Village	Crazy Crystals: The Effect of Contaminants on Crystal Growth

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

Award Info.	First Name	Last Name	Grade	School	Project Title
\$50 Best High School Project	John	Shin	9	Hawken School - Chesterland	Enhancing Graphene & Carbon Fiber Electrochemical Supercapacitors with Electrolytes and Redox Agents
\$50 Best Middle School Project	Zoltan	Kotrebai	8	St Paschal Baylon - Cleveland	Energy Efficiency of LED Lighting (Investigating the Reasons for LED Light Source Efficiency Over Incandescent Light Sources and Calculating the Savings from Switching to an all LED Household)
\$25 Honorable Mention	Kaitlyn	Ernst	8	Laurel School - Shaker Heights	A Novel Method of Creating Electricity via A Thermoelectric Generator Fueled By Heat Waste Energy from Compost
\$25 Honorable Mention	Parker	Good	6	Menlo Park Academy - Cleveland	The Enlightening Truth About Light Bulbs
\$25 Honorable Mention	Maya	Blazer	7	Incarnate Word Academy - Parma Heights	Wind Turbine Efficiency Models
\$25 Honorable Mention	Lauren	Rolda	8	St Mary Of The Falls - Olmsted Falls	Maximizing Solar Cell Power Output With Solar Concentrators

[ONR - Office of Naval Research]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$50, Certificate, & Medallion - High School	Elena	Nemeckay	12	Mentor High School - Mentor	The Dermatological Implications of Athletic Compression Attire
\$50, Certificate, & Medallion - High School	Harbir	Dass	9	The University School : College Prep - Chagrin Falls	Torsional Stiffness of a Competition Go Kart Frame
Certificate, & Medallion - Middle School	Maya	Tang	7	Hathaway Brown - Shaker Heights	The Effect of Binocular Versus Monocular Vision on Depth Perception
Certificate, & Medallion - Middle School	Carlo	Polisena	8	St Francis Of Assisi - Gates Mills	Ready, Set, GROW!
Certificate, & Medallion - Middle School	Kaitlyn	Wood	6	St Raphael - Bay Village	Rethink Your Cookie Sheet



2020 SPONSORED AWARDS



[Ohio Nurses Association - Summit and Portage District]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$50 Best Health Care Project - HS	Sohum	Kapadia	11	The University School : College Prep - Chagrin Falls	Dimensions and Geometry of the Mitral and Tricuspid Valves in Normal and Diseased States
\$50 Best Health Care Project - MS	James	Fornadel	7	St Rita - Solon	The "Beat" of the Heart: The Effects of Music on Blood Pressure

[Ohio Soybean Council]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$100 Ohio Soybean Bioscience Award	Gemma	Wichmann	6	St Raphael - Bay Village	Red Light Therapy: Healthy Plants are Happy Plants
\$100 Ohio Soybean Bioscience Award	Nikolaus	Spotz	12	Mentor High School - Mentor	Will the use of biosolids in soil increase growth in kidney beans?
\$100 Ohio Soybean Bioscience Award	Abigail	May	11	St Vincent St Mary - Akron	The Impact of Nitrogen Inclusive Fertilizers on Glycine max and Water Runoff

[SPE-Akron Chapter, Society of Plastics Engineers]

Award Info.	First Name	Last Name	Grade	School	Project Title
\$75 Best Plastics-related Project MS	Jack	Benoit	7	St Francis De Sales - Akron	The Biggest Stretch: Comparison of Accelerators in Natural Latex Compounds
\$35 Best Plastics-related Projects HS	Matthew	Yatsko	11	St Vincent St Mary - Akron	Biomimicking Gels: Swelling and Nonlinear Elasticity
\$35 Best Plastics-related Projects HS	Laney	King	10	St Vincent St Mary - Akron	The Effect of Surface Chemistry on the Wet Self-Cleaning Ability of Gecko-Inspired Synthetic Adhesives

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