

2017 Category Winners

	First Name	Last Name	Grade	School	Project Title
Behavioral & Social Science					
1st Place	Sohan	Shah	7	Incarinate Word Academy	How Do Distractions Affect Driver Safety, Performance, and Biometrics?
2nd Place	Nicole	Sterio	11	Mentor High School	The Impact of Education on the Perspective of Wrongful Convictions
3rd Place	Yuhan	Kim	10	Hudson High School	Physiological Effects of Acute Stress on Performance at a Task
Biochemistry					
1st Place	Ellie	Faber	8	Saint Mary - Chardon	UV Fright
2nd Place	Colleen	Martin	9	Beaumont School	Silver Nanoparticles
3rd Place	Alexander	Murray	11	Mentor High School	False Positives of Blood
Botany					
1st Place	Leo	Fornara	7	Saint Rita	Let It Grow! How Different Soils Affect Plant Growth
2nd Place	Kevin	Rybka	9	Saint Vincent / Saint Mary High School	Hydroponics vs. Soil
3rd Place	Gabriella	Belsito	9	Beaumont School	Is Radiation Healthy for Plants?
Chemistry					
1st Place	Jacob	Queiser	10	Hudson High School	Biodiesel: Cloud Point Investigation
2nd Place	Natalie	Haddad	11	Beaumont School	Got Milk? Mapping the Zinc Concentration in Homemade vs. Silk Almond Milk
3rd Place	Joseph	Conti	12	Saint Vincent / Saint Mary High School	Thermoplastic Polyurethane Ionomers

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Computer Science and Mathematics

1st Place	Van	Weinmann	6	Birchwood School	Based On Real Life Spiders And Their Webs, Is Spider-Man's Web Strength In The Amazing Spider-Man Movie Possible?
2nd Place	Isabel, Holly	Wu, Pappano	10 and 10	Hudson High School	Neural Network Studio
3rd Place	Austin	Maguire	12	West Geauga High School	Access Denied

Earth & Space Science

1st Place	Austin	Bissell	12	Mentor High School	Designing an EmDrive to Test Thrust Anomaly
2nd Place	Shruthi	Ravichandran	8	Birchwood School	Do Coronal Mass Ejections Correlate with the Solar Sunspot Cycle?
3rd Place					

Engineering and Technological Design

1st Place	Claudia	Hamilton	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).
2nd Place	Carly	Justice	10	Firestone High School - APS	Traffic Safety: Best Retroreflective Colors for Elderly Drivers
3rd Place	Devank	Patel	11	Mentor High School	Adhesive Forces Between Identical Polymer Surfaces

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Environmental Science

1st Place	Robert	Kent	8	Saint Anselm School	Are Microplastic Contaminants More Abundant in Farm Raised or Wild Clams?
2nd Place	Sarah	Kikel	11	Beaumont School	Phytoremediation: Accumuation and Translocation of Zinc and Copper in Brassica rapa
3rd Place	Meghan	Kessinger	10	Beaumont School	"Oh Gee, Look At All That Algae!"

Medicine and Health

1st Place	Sukhmani	Kaur	11	Hathaway Brown	Functional Evaluation of Umbilical Cord Tissue Derived Mesenchymal Stem Cells
2nd Place	Michael	Castellanos	10	University School	Comparing the Yield and Cytotoxicity of NK Cells Expanded With Different Feeder Cells
3rd Place	Anna	Godlewski	8	Saint Raphael	An Observation of the Effects of Different Coca-Cola Products on the Dissolution of Tooth Enamel

Microbiology

1st Place	Clara	Hoffert	7	Saint Hillary School	Bacteria in Your Beauty Blender
2nd Place	Jackson	Tankersley	11	NIHF STEM High School - APS	Light Up the Night: Analyzing the Electrical Output of a Urine Microbial Fuel Cell
3rd Place	Olivia	Janolo	11	Saint Vincent / Saint Mary High School	The Effects of Varying Surfaces on Bacteria Growth

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Physics

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1st Place	Meghan	Bhanoo	7	Notre Dame Elementary School	Bounce High, Bounce Low, Where Did The Energy Go?
2nd Place	Patrick	Wynne	7	Saint Raphael	Under Pressure: How Sand Affects the Strength of Concrete
3rd Place	Mary Kate	Wichmann	6	Saint Raphael	The Affect of Temperature on Viscosity

Zoology

Zoology					
1st Place	Kirstin	Pier	9	Saint Vincent / Saint Mary High School	The Effect of Increasing Temperatures on Water Fleas' Reproduction
2nd Place	Lucille	Chmura	8	Saint Hillary School	2-DIMENSIONAL IMAGE RECOGNITION PATTERNS IN NORTHEAST OHIO BIRD POPULATIONS
3rd Place	Caleb	Rykaczewski	12	Mentor High School	The Effect of Seasonal Variation on Food Intake (Family Accipitridae)