

2015 Category Winners

Behavioral & Social Sciences

	Name		Grade	School	Project Title
1st Place	Ryan	Laganson	12	Mentor High School	Effects of Cohorts on Engagement: A Comparison of CTE and Traditional Core Classes
2nd Place	Feyza	Mutlu	9	Hudson High School	Memory Tactics and Their Effects
3rd Place	Jarrett	Bellin	10	Hudson High School	The Effect of Eating a Nutritious Meal on a Pilot's Performance in an Emergency Situation
3rd Place	Logan	Ritter	10	Hudson High School	The Effect of Eating a Nutritious Meal on a Pilot's Performance in an Emergency Situation

Biochemistry

	Name		Grade	School	Project Title
1st Place	Jane	Bozsik	12	St. Vincent - St. Mary High School	The Effect of Scaffold Stiffness on Schwann cell Gene Expression
2nd Place	Daniel	Rakowsky	8	St. Albert the Great	Radiation Reality Check
3rd Place	Timothy	Yi	8	Solon Middle	Does NAD Increase Life Spans?

Botany

	Name		Grade	School	Project Title
1st Place	Kayleigh	Queiser	10	Hudson High School	Effects of Phosphorous Fertilizer and Non Phosphorous Fertilizer on Algal Growth
2nd Place	Richard	Pignatiello	7	Incarnate Word Academy	Which Fertilizer Will Produce The Greatest Yield
3rd Place	Lauren	Zipp	10	Beaumont High	The Biosorption of Heavy Metals by Invasive Plants of Ohio

Chemistry

	Name		Grade	School	Project Title
1st Place	Swathi	Srinivasan	10	Beachwood High School	The Effect of Polyphenols in Spices on the Aggregation of the Amyloid-Beta Peptide 1-40; an In Vitro Study
2nd Place	Joseph	Conti	10	St. Vincent - St. Mary High School	Soft Thermoplastic Polyurethanes' Ionomers
3rd Place	Ashley	Elston	12	Mentor High School	The Effect of Concentration and Environmental Factors on the Process of Phytoremediation

Computer Science and Mathematics

	Name		Grade	School	Project Title
1st Place	Rachel	Slater	10	Hudson High School	Twitter Data Mining
2nd Place	Sean	Scarnecchia	7	Hudson Middle School	Choosing the Best Cell Phone Plan
3rd Place	Llyona	Lallement	9	Hudson High School	Parabolas: How the Inclination of a Plane Affects the Variable in the Quadratic Equation

Earth & Space Science

	Name		Grade	School	Project Title
1st Place	Andrew	Wahlstrom	12	Mentor High School	Theories on the Bipolar Outflow in High Mass T-Tauri Stars
2nd Place	Mai	Lor	8	Roswell-Kent	Retention Phenomenon of Urban Heat Island Effect: A Comparative Study on Urban and Rural Site

Engineering and Technological Design

	Name		Grade	School	Project Title
1st Place	Mica	Brooks	12	Our Lady of the Elms High School	Graphene: A Concrete Additive Formed by Shear Exfoliation
2nd Place	Patrick	Walter	11	St. Vincent - St. Mary High School	Nanopatterning of Homopolymer and Block Copolymer Films
3rd Place	Grace	Nemeckay	12	Mentor High School	An OCP System Testing the Likelihood of Cystic Fibrosis from a Sweat Sample: Design and Verification

Environmental Science

	Name		Grade	School	Project Title
1st Place	Joshua	McElliott	8	Solon Middle	Which Material and Stacking Formation of Sandbags Provides the Best Flood Protection?
2nd Place	Klaudia	Sirk	11	Beaumont High	The Influence of Tire-Derived Backfill on the Transfer of Seismic Forces to a Retaining Wall
3rd Place	Gloria	Tie	10	Hudson High School	The Effect of High Temperature and Time on Plastic Bottle's Water Quality

Medicine and Health

	Name		Grade	School	Project Title
1st Place	Dhweeja	Dasarathy	10	Hawken	Novel Approach to Identify Skeletal Muscle Mitochondrial Disorders
2nd Place	Yoly	Rodriguez	11	Horizon Science Academy Cleveland High School	Is Our Food Poisoning Us?
3rd Place	Logan	Leak	11	Mentor High School	A Restrospective Analysis of Mortality Rates and APACHE II Scores of Sepsis Patients

Microbiology

	Name		Grade	School	Project Title
1st Place	Matthew	Waina	11	Mentor High School	Modeling Microcephaly Using LIG IV Syndrome IPS Cells
2nd Place	Jackson	Tankersley	9	NIHF STEM High School	The Antibacterial Effect of Green Coconut Water
3rd Place	Martha	Blatt	10	Beaumont High	Comparing Electrical Output of Different Soil Types in Microbial Fuel Cells

Physics

	Name		Grade	School	Project Title
1st Place	Brian	Caplan	7	Gross Schechter Day School	Water's Cohesion
2nd Place	John ("Jack")	Barnes	8	Seton Catholic High School	The Physics of a Hit
3rd Place	Noah	Smith	9	Hudson High School	Rosin Hardness Effect on String Hardness

Zoology

	Name		Grade	School	Project Title
1st Place	Jared	Musci	9	St. Vincent - St. Mary High School	The Effect of Light on Tunneling and Harvester Ants
2nd Place	Kathryn	Petit	7	St. Hilary School	Birds and Their Feeding Rate
3rd Place	Amanda	Provance	7	Royal Redeemer Lutheran School	K-9 Vision