

Pittsburgh Regional Science Engineering Fair
Perseverance Award Winners
Presented March 27, 2010

Award	Winner	ProjectID	ProjectTitle
Perseverance Award - Junior Scientist	Adam Dando / Franklin Regional Senior High School / Murrysville, PA	SCH005	Mine Acid Neutralization
Perseverance Award - Junior Scientist	Alex Monroe / St. John The Baptist School / Pittsburgh,	MPH046	Build A Bridge and Get Over It
Perseverance Award - Junior Scientist	Bharat Iyer / Fox Chapel Area High School / Pittsburgh,	SMH020	Factors Predicting Mortality in Acute MI
Perseverance Award - Junior Scientist	Brandon Keller / St. Elizabeth Elementary / Pittsburgh, PA	MCM006	The Law of Large Numbers in Galileo's Passedix Game
Perseverance Award - Junior Scientist	Hannah Schorr / St. Joseph Regional School / Port Vue,	MPH072	Cell Phone Chargers and Energy
Perseverance Award - Junior Scientist	Harishwer Balasubramani / Ingomar Middle School / Pittsburgh, PA	MBI003	Tap vs. Filtered Water on Aquatic Tank Life
Perseverance Award - Junior Scientist	Jacob Thieret / St. Joseph Regional School / Port Vue, PA	MPH084	SUV's are a Drag
Perseverance Award - Junior Scientist	Jonathan Grygiel / Ingomar Middle School / Pittsburgh, PA	MER007	How To Cool With Electronics
Perseverance Award - Junior Scientist	Joseph Stavor / St. Agnes / West Mifflin, PA	MCH061	Icy Conditions
Perseverance Award - Junior Scientist	Karthik Narayanan / Fox Chapel Area High School / Pittsburgh, PA	SMH059	The Relationship Between Dynamic and Static Foot Geometry
Perseverance Award - Junior Scientist	Kevin Mechlenburg / Franklin Regional Senior High School / Murrysville, PA	SCH025	Water Hydrolysis Variables
Perseverance Award - Junior Scientist	Lauren Tedrick / St. Joseph Regional School / Port Vue,	MPH083	Magnetic Force and the Climate
Perseverance Award - Junior Scientist	Luke Hils / St. Agnes / West Mifflin, PA	MES017	Watch Out for Radiation
Perseverance Award - Junior Scientist	Madalyn Clark / St. Agnes / West Mifflin, PA	MES005	Ready? Set, Burn!
Perseverance Award - Junior Scientist	Maggie Schramm / St. John The Baptist School / Pittsburgh, PA	MMH029	Don't Eat That!
Perseverance Award - Junior Scientist	Matthew Green / Franklin Regional Senior High School / Murrysville, PA	SPH014	Seebeck Effect Energy Recycle
Perseverance Award - Junior Scientist	Megan Rosenberger / St. Joseph High School / Natrona Heights, PA	SER018	Channeling Hydroelectric Power in a Rain Barrel
Perseverance Award - Junior Scientist	Mikayla Gowaty / Wilson Christian Academy / West Mifflin, PA	SPH013	Gliders
Perseverance Award - Junior Scientist	Nathaniel Barbour / The Campus School of Carlow University / Pittsburgh, PA	MPH003	Insulation Nation
Perseverance Award - Junior Scientist	Piyusha Sane / North Allegheny Intermediate High School / Wesford, PA	SBS040	Correlation Between Fear, Age, and Medical Conditions
Perseverance Award - Junior Scientist	Pragna Mannam / The Ellis School / Pittsburgh, PA	MCH038	Efficient Water Electrolysis
Perseverance Award - Junior Scientist	Rachel Poturich / St. Joseph Regional School / Port Vue, PA	MCS042	Sugar in Children's Vitamins
Perseverance Award - Junior Scientist	Ria Mulherkar / North Allegheny Intermediate High School / Wesford, PA	SPH019	Effects of Roof Color and Reflectivity on Energy Efficiency
Perseverance Award - Junior Scientist	Ryan Catalogna / St. Agnes / West Mifflin, PA	MPH008	The Inflate Debate
Perseverance Award - Junior Scientist	Sandra Dulac / St. Maurice / Pittsburgh, PA	MCM004	Digital Music and Sampling
Perseverance Award - Junior Scientist	Sarah Carroll / St. John The Baptist School / Pittsburgh,	MCH013	Taking Off Your Coating
Perseverance Award - Junior Scientist	Sarah Hejnosz / St. Agnes / West Mifflin, PA	MES014	Heat Wave!
Perseverance Award - Junior Scientist	Shannon Fagan / Bethel Park High School / Bethel Park, PA	SES020	Effects of Fertilizer on the pH of Runoff Water

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Perseverance Award - Junior Scientist	Skanda Koppula / North Allegheny Intermediate High School / Wexford, PA	SCM006	Improved Drug Delivery in Treating Diseases
Perseverance Award - Junior Scientist	Stephen Karpinsky / St. Joseph Regional School / Port Vue, PA	MBI031	Hours of Light and Plant Growth
Perseverance Award - Junior Scientist	Taylor Borrelli / Freeport Junior High School / Freeport, PA	MMH005	How Contam. is Wtr Spry on Prodc?
Perseverance Award - Junior Scientist	Vishnu Bashyam / Franklin Regional Middle School / Murrysville, PA	MCM001	Probability of Guessing in a MCQ Test
Perseverance Award - Junior Scientist	Zachery Shomo / St. Agnes / West Mifflin, PA	MPH076	H2O Power
Perseverance Award - Junior Scientist	Zoe Reitz / Freeport Senior High School / Sarver, PA	SES043	Effect of Fly Ash on Grass
Perseverance Award - Associate Scientist	Abigail Doyle / Doyle HomeSchool / Wexford, PA	SER009	Torque is Cheap
Perseverance Award - Associate Scientist	Andrew Saunders / Freeport Senior High School / Sarver, PA	SER019	Does Fly Ash Reduce Concrete Strength?
Perseverance Award - Associate Scientist	Arichanah Pulenthiran / Franklin Regional Senior High School / Murrysville, PA	SMH040	Milk??? I Don't Want It!!
Perseverance Award - Associate Scientist	Barbara Delgado / Delgado HomeSchool / Greensburg, PA	SER008	Operation Aquatic Rescue
Perseverance Award - Associate Scientist	Catherine Baker / Southern Garrett High School / Oakland, MD	SES005	Disinfection By-products: Trihalomethanes
Perseverance Award - Associate Scientist	Chareeni Kurukulasuriya / Pittsburgh Allderdice / Pittsburgh, PA	SMH025	DHA's Effects on Cancer Cell Cycle
Perseverance Award - Associate Scientist	Dean Rogal / Cambria Heights High School / Patton, PA	SCH036	Bio-Diesel Titration
Perseverance Award - Associate Scientist	Elijah LaSota / Cambria Heights High School / Patton, PA	SES035	Mosquito Repellents
Perseverance Award - Associate Scientist	Emily Laver / Serra Catholic High School / McKeesport, PA	SBI022	Use Those Lungs
Perseverance Award - Associate Scientist	Fardeen Mehdi / North Allegheny Senior High School / Wexford, PA	SMH032	How pacing makes a bad heart better
Perseverance Award - Associate Scientist	Ishan Chatterjee / Fox Chapel Area High School / Pittsburgh, PA	SMH009	Antioxidant Remediation of Oxidative Stressed Stem Cell Line
Perseverance Award - Associate Scientist	Joseph Staniszewski / St. Joseph High School / Natrona Heights, PA	SES050	Estrogen in the Water
Perseverance Award - Associate Scientist	Joseph Vaerewyck / St. Joseph High School / Natrona Heights, PA	SER012	Tactile Sensor for Artificial Vision
Perseverance Award - Associate Scientist	Juliana Tambellini / Thomas Jefferson High School / Jefferson Hills, PA	SMH051	Advil's Influence on Prokaryotic Gene Expression
Perseverance Award - Associate Scientist	Kasey Devlin / Freeport Senior High School / Sarver, PA	SES016	Can seeds purify grey water?
Perseverance Award - Associate Scientist	Kelly Hung / North Allegheny Senior High School / Wexford, PA	SCH014	Easy On Easy Off
Perseverance Award - Associate Scientist	Leandra Buchin / Franklin Regional Senior High School / Murrysville, PA	SER005	Go Green With Light
Perseverance Award - Associate Scientist	Mallory Pavilonis / St. Joseph High School / Natrona Heights, PA	SMH038	The Antibiotic Resistance of E. coli
Perseverance Award - Associate Scientist	Melissa Anna / Cambria Heights High School / Patton, PA	SPH040	Sound Projection In Classrooms
Perseverance Award - Associate Scientist	Michael Stoltz / Cambria Heights High School / Patton, PA	SES053	Biogas to Biomass
Perseverance Award - Associate Scientist	Michael Williams / Central Catholic High School / Pittsburgh, PA	SCH045	Leaching of Placticizers into Bottled Water

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Perseverance Award - Associate Scientist	Michelle Lee / North Allegheny Intermediate High School / Wesford, PA	SMH027	Superbug Invades our Schools: Can We Stop it?
Perseverance Award - Associate Scientist	Natalie Nash / Vincentian Academy - Duquesne University / Pittsburgh, PA	SPH020	How is a Battery Affected by its Charging Plan?
Perseverance Award - Associate Scientist	Robert McKinstry / Central Catholic High School / Pittsburgh, PA	SMH031	Does Vicks VapoRub Affect Staph. epidermidis?
Perseverance Award - Associate Scientist	Ryan Davis / Freeport Senior High School / Sarver, PA	SER007	Are more Expensive Bullets Faster?
Perseverance Award - Associate Scientist	Sarah Sokol / Freeport Senior High School / Sarver, PA	SES049	Effect of Weed Kill on Bacteria
Perseverance Award - Associate Scientist	Shannon Shero / Cambria Heights High School / Patton, PA	SER022	Absorption of Fluorinic Compounds
Perseverance Award - Associate Scientist	Shylah Novak / Cambria Heights High School / Patton, PA	SPH022	What's the Best Relay Start Position?
Perseverance Award - Associate Scientist	Stephen Posney / Freeport Senior High School / Sarver, PA	SCM010	Blackjack Card Count Program
Perseverance Award - Associate Scientist	Timothy Borrelli / Freeport Senior High School / Sarver, PA	SES008	Is Prsr Trtd Wood Envrmntly Safe
Perseverance Award - Honorary Scientist	Ainesh Ravi / Bethel Park High School / Bethel Park, PA	SES041	Pleiotropic Effects of HSP101
Perseverance Award - Honorary Scientist	Andrew Pfeifer / Bethel Park High School / Bethel Park, PA	SCM009	Agent-Based Data Distribution
Perseverance Award - Honorary Scientist	Arjun Kar / Mt. Lebanon High School / Pittsburgh, PA	SCM005	Fourier Transforms and Complexity
Perseverance Award - Honorary Scientist	Cameron Jones / Bethel Park High School / Bethel Park, PA	SBI020	Spt16 Mutation and DER3 Derepression
Perseverance Award - Honorary Scientist	Christopher Dumm / Penn Hills High School / Pittsburgh, PA	SER010	Optimizing Infrared Detectors
Perseverance Award - Honorary Scientist	Harshitha Mannam / The Ellis School / Pittsburgh, PA	SER013	The Retriever
Perseverance Award - Honorary Scientist	John Columbia / California Area High School / Coal Center, PA	SPH009	Lighting With LEDs
Perseverance Award - Honorary Scientist	Joseph Thieret / Serra Catholic High School / McKeesport, PA	SCM011	Liquid Efficiencies in Processor Cooling
Perseverance Award - Honorary Scientist	Maria Kovalchuk / The Ellis School / Pittsburgh, PA	SCH019	Fresh Water from Industrial Wastes
Perseverance Award - Honorary Scientist	Megan Bookser / Oakland Catholic High School / Pittsburgh, PA	SMH007	Effects of Antifreeze on Chlorella
Perseverance Award - Honorary Scientist	Peter Zhang / Franklin Regional Senior High School / Murrysville, PA	SCH047	A Colligative Property and De-Icing Chemicals
Perseverance Award - Honorary Scientist	Pietra Bruni / Seton LaSalle High School / Pittsburgh, PA	SBI008	Glow With The Flow: Year Four
Perseverance Award - Honorary Scientist	Priyanka Ghosh / Franklin Regional Senior High School / Murrysville, PA	SCH010	LC-MS Analysis of Vitamin E
Perseverance Award - Honorary Scientist	Rebecca Stabile / Pine-Richland High School / Gibsonia, PA	SPH031	Physical Mechanism of Parity Violation
Perseverance Award - Honorary Scientist	Richard Vaerewyck / St. Joseph High School / Natrona Heights, PA	SMH053	Effectiveness of Zoonotic Disease Prevention in Petting Zoos