

## Junior Award Winners

<u>Last Name</u>	<u>First Name</u>	<u>School</u>	<u>Category</u>	<u>Project Name</u>	<u>Prizes</u>
Murali	Megna	Rice	Environmental Management	Swimming Seashells	1st Place
Lightfoot	Jessica	Murphy	Behavioral & Social Sciences	Contribution of Color to Short-term Memory	1st Place
Cornett	Stevie	Carpenter	Behavioral & Social Sciences	Roses are Red. Violet IS BLUE?	2nd Place
Alexander	Rachel	Murphy	Behavioral & Social Sciences	Are You an Auditory or Visual Learner	3rd Place
Clark	Audrey	Renner	Behavioral & Social Sciences	The Effect of Color on Taste Perception	HM
Confalone	Paul	Renner	Behavioral & Social Sciences	Human Behavior at Stop Signs	HM
Gilbert	Moriah	Renner	Biochemistry	Crystal DNA Attack of the Enzymes	1st Place
Powell	Grant	Robinson	Biochemistry	The Different Levels of Acidity on the Digestion of Proteins by Pepsin	2nd Place
Ho	Evelyn	Wilson	Biochemistry	Effects of Proteolytic Enzymes on Protein	3rd Place
Chandrabhas	Sheila	Rice	Biochemistry	Are You Losing It? The Measure of Antioxidant Levels Under Various Amounts of Heat	HM
Dillon	Ian	Schimelpfenig	Biochemistry	Plaque Attack	HM
Chaudhry	Aashna	Haggard	Biochemistry	Which Fruit Gets an A+ on Vitamin C	HM
Hwang	Michael	Robinson	Chemistry	The Effect of Temperature on the Rate of Enzyme Activity	1st Place
Stephens	Jessie	Renner	Chemistry	Does Yeast Placed in Different Liquids at Different Sugar Concentrations Affect the Production of Alcohol?	2nd Place
Rudkin	James	Bowman	Chemistry	Can Baking Soda Substitute Baking Powder in a Recipe?	3rd Place
Kim	Jonathan	Hendrick	Chemistry	Do you see Vitamin C?	HM

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Hodge	Rachel	Schimelpfenig	Chemistry	Efficiency of Electrolysis	HM
Jones	Rowan	Wilson	Chemistry	How to Waterproof Your Shoes	HM
Koduri	Nihal	Rice	Computer Science	Improving Newsreaders by Customizing the Sorting of Posts	1st Place
Yuan	Christine	Rice	Computer Science	Is It Time Yet?	2nd Place
Hunn	Dylan	Frankford	Earth & Planetary Science	It's Windy Out There: Solar Wind and the Interplanetary Field	1st Place
Gomez	Felipe	Rice	Earth & Planetary Science	The Power of Light Understanding Light	2nd Place
Rabbane	Annie	Hendrick	Earth & Planetary Science	"And Not A Drop to Drink"	HM
Trim	Chad	Schimelpfenig	Earth & Planetary Science	The Big Blue and Green	HM
Zhao	Shannon	Rice	Energy & Transportation	Blow Off The Salt	1st Place
Livingston	Emma	Frankford	Energy & Transportation	Liftoff: How Wing Angle Affects Lift	2nd Place
McKee	Anthony	Wilson	Energy & Transportation	Air SOFT?	3rd Place
Nelson	Robert	Carpenter	Energy & Transportation	It's Cold IN Here II	HM
Carroll	Catherine	Frankford	Energy & Transportation	The Effect of Octane on Gasoline Mileage	HM
Salamah	Meera	Murphy	Energy & Transportation	U-Value of Windows	HM
Chen	Megan	Frankford	Engineering: Electrical & Mechanical	Sound Stoppers: A Study of Acoustical Sound Reduction	1st Place
Bentley	Elizabeth	Carpenter	Engineering: Electrical & Mechanical	A Bridge to Nowhere	2nd Place
Jackson	Samuel	Murphy	Engineering: Electrical & Mechanical	Where Are We Extreeme	3rd Place

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Fisher	Scott	Haggard	Engineering: Electrical & Mechanical	Blasted Angles!	HM
Hsu	Alex	Schimelpfenig	Engineering: Electrical & Mechanical	Where Does a Solar Panel Work?	HM
Hainlin	Evan	Wilson	Engineering: Electrical & Mechanical	Lights, Solar, Action	HM
Gao	Ari	Rice	Engineering: Materials & Bioengineering	How does Wing Shape and Aileron Tilt Affect Lift?	1st Place
Schumacher	Nick	Wilson	Engineering: Materials & Bioengineering	Sound: Breaking the Barrier	2nd Place
Brunner	Nathan	Bowman	Engineering: Materials & Bioengineering	Spring-Floor Bouncing	3rd Place
Chambers	Leon	Bowman	Engineering: Materials & Bioengineering	The Effectiveness of Various Commercial Insulators as a Barrier to the Cold	HM
Cheng	Lucy	Frankford	Engineering: Materials & Bioengineering	Solar Power to the Rescue?	HM
Bergstein	Andre	Murphy	Engineering: Materials & Bioengineering	Which Bridge Design is the Strongest?	HM
Murali	Megna	Rice	Environmental Management	Swimming Seashells	1st Place
Hornung	Trevor	Carpenter	Environmental Management	Beach Erosion	2nd Place
Nevins	Elizabeth	Robinson	Environmental Management	Planting a Solution to Water Pollution	3rd Place
Godwin	Matt	Murphy	Environmental Management	Water, Water, Everywhere: Which type of flood barrier works the best?	HM
Zhong	Justin	Rice	Environmental Management	Environmental Impact of Electronic Pollution	HM
Hunter	Chandler	Wilson	Environmental Management	Green Roofs: A Model For Environmental Success	HM
Armstrong	Connor	Frankford	Environmental Sciences	The Effect of Eliminating Restaurant Drive-thrus	1st Place

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Moore	Nicholas	Carpenter	Environmental Sciences	C'est La Vie	2nd Place

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Scott	Logan	Frankford	Environmental Sciences	Eco-pHriendly pHuture: The Effect of Soil pH on Decomposition	3rd Place
Beach	Renee	Wilson	Environmental Sciences	Sootopolis	HM
Chambers	Taylor	Haggard	Environmental Sciences	Struck by a Particle; or was that a Wave?	HM
Liu	Nicholas	Haggard	Environmental Sciences	Seawall Sandwich	HM
Engle	Alyssa	Murphy	Environmental Sciences	Getting Carried Away - Soil Erosion	HM
Huang	Aileen	Wilson	Mathematical Sciences	Encrypting Chaos	1st Place
Carroll	Joseph	Rice	Mathematical Sciences	2012: Is It Really the End?	2nd Place
Darling	James	Haggard	Mathematical Sciences	Any Given Sunday? Correlation between Football Statistics	3rd Place
Chen	Howei	Haggard	Mathematical Sciences	The Kick is Good	HM
Muthusamy	Vikrant	Hendrick	Mathematical Sciences	Musical Glasses 2 (m)	HM
Michaels	Lisa	Renner	Medicine & Health	SLEEP TIGHT; Don't Let the Fruit Flies Bite	1st Place
Madan	Tushar	Renner	Medicine & Health	Electronic Exercise: Fact or Fiction	2nd Place
Thakur	Rohan	Rice	Medicine & Health	Through a Blind Man's Eye	3rd Place
Kornher	Christy	Frankford	Medicine & Health	The True Cost of Beauty	HM
Elete	Kunal	Haggard	Medicine & Health	Does your hair have muscle?	HM
Wey	Emily	Hendrick	Medicine & Health	Power Your Plaque Away	HM

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Apprill	Bryn	Schimelpfenig	Microbiology	As Clean As Can Be	1st Place

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Halpern	Tyler	Frankford	Microbiology	What's Lurking in the Locker Room: An Analysis of Bacteria Collected from School Locker Rooms	2nd Place
Rudelis	Alyssa	Renner	Physics and Astronomy	Better Vibrations	1st Place
Kim	Ellen	Robinson	Physics and Astronomy	The Effects of Arrow Mass and Bow Poundage on an Arrow's Penetration Power	2nd Place
Robbins	Samantha	Schimelpfenig	Physics and Astronomy	Up in Flames	3rd Place
Paradise	Cecelia	Armstrong	Physics and Astronomy	Sound Wave Attenuation	HM
Shaastrri	Shravan	Robinson	Physics and Astronomy	Soundboards & Resonance	HM
Torres	Jacey	Robinson	Physics and Astronomy	That's Just the Way it Rolls	HM
Joseph	Stanley	Murphy	Plant Sciences	How Epoxies Affect Chlorophyll Levels in Lemna Minor	1st Place
Pierce	Britley	Armstrong	Plant Sciences	Growing In Rainbows	2nd Place
Ghoshal	Shreya	Renner	Plant Sciences	Got Growth?	3rd Place
Dibble	Susannah	Renner	Plant Sciences	A Recipe for Success: Fertilizers' Effects on Plants	HM
Vig	Pradyuman	Rice	Plant Sciences	How Oil Spills Affect Plants	HM
Wang Zhong	Emily Celine	Rice	TEAM-LIFE	The Biological Hazards of OTC Medications	1st Place
Goldman Killingsworth	Rachel Kaylee	Haggard	TEAM-LIFE	I'm Drinking What?!	2nd Place
Liu LaMendola	Tiffany Catherine	Wilson	TEAM-LIFE	Mozart & Math: Do They Mix?	3rd Place

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Samuel Kok	Vinod Shane	Murphy	TEAM-LIFE	5 Second Rule	HM
Jones Nicholson	Ally Hannah	Robinson	TEAM-LIFE	Got Coffee? Radishes Do!	HM
Doles Milby Nobles	Hannah Madeline Mad	Wilson	TEAM-LIFE	Testing Tender Taste Buds Two	HM
Howard Balachandar	Elise Neeraja	Frankford	TEAM-PHYSICAL	Heating Up My World	1st Place
Galles Jones	Matthew Alex	Carpenter	TEAM-PHYSICAL	Strength of the Sun	2nd Place
Shen Rost	Evelyn Hayley	Haggard	TEAM-PHYSICAL	Light at the End of the Jello	3rd Place
Myers Slavin	Samantha Aubrey	Frankford	TEAM-PHYSICAL	Radiant Barrier - Paint or Foil?	HM
Juturu Shenoy	Prathibha Shreya	Rice	TEAM-PHYSICAL	Do Octane Ratings Affect Fuel Efficiency?	HM
Parker Tipword	Alexander Nathan	Wilson	TEAM-PHYSICAL	Hover Havoc	HM