



# Fair Winners

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Name	Grade	Award
Antonini, Antoinette	7	Honorable Mention
Title: Can Fruit and Vegetables Conduct Electricity		
Romberger, Alan	8	Honorable Mention
Title: Which Scent-Free Hunting Procedure is Most Effective?		



# Fair Winners

Bermudian Springs Middle School

Name	Grade	Award
<b>Teacher: Greenawalt, Kami</b>		
Black, Blaine	8	Third Place
Title: Not Your Grandma's Baking Soda		
Gastan, Chase	8	Third Place
Title: Not Your Grandma's Baking Soda		
Hamon, Eliana	8	Second Place
Title: What Does the Eye See?		
Hollabaugh, Amanda	8	Second Place
Title: What Does the Eye See?		
Holtzinger, Megan	7	First Place
Title: Jack and the Beanstalk		
Hoover, Brandon	8	Second Place
Title: Does the Beat Move You?		
King, Mason	8	Second Place
Title: Fore!		
Meixner, Lilith	7	First Place
Title: Launch Power		
Miller, Blake	7	Second Place
Title: Popcorn		
O'Neill, Trinity	7	First Place
Title: Eye Color Vs. Peripheral Vision		
Pascual, Jessica	7	First Place
Title: Eye Color Vs. Peripheral Vision		
Schrivers, Jacob	7	Second Place
Title: Popcorn		
Sebright, Charles	7	Second Place
Title: Moo-ving to the Music		
Simpson, Ashley	7	First Place
Title: Launch Power		
Somerville, Tyler	7	Second Place
Title: Environmental Wi-Fi Blockage		
Squires, Madison	8	Third Place
Title: Lactose Levels		
Yurick, Brandt	7	Second Place
Title: Environmental Wi-Fi Blockage		



# Fair Winners



# Fair Winners

Bishop McDevitt High School

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<b>Name</b>	<b>Grade</b>	<b>Award</b>
<b>Teacher: Holland, Nicole</b>		
Han, Heyang	10	Third Place
Title: How does acid rain affect photosynthesis in plants?		
Seltzer, Serena	11	Second Place
Title: Remarkable Regeneration: The Effect of Magnetism on Regeneration in Planaria		
<b>Teacher: Narus, Mary rose</b>		
Narus, Aubree	9	Second Place
Title: Chilling Affects; The Relationship Of Temperature To Battery Life		
<b>Teacher: Wyland, Amy</b>		
Fiamingo, Michelle	12	Third Place
Title: The Effects of Counterweight on a Trebuchet		



# Fair Winners

Boiling Springs High School

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Name	Grade	Award
Danesh-pajou, Cameron	12	First Place
Title: Biochemical Analysis Of Carbon Fixation For Biofuels Production		



# Fair Winners

Camp Hill High School

Name	Grade	Award
<b>Teacher: Diehl, Amy</b>		
Blystra, Mattias	11	Second Place
Title: High Hazard Dams & Hydroelectric Power		
Dupes, Nina	11	First Place
Title: Predicted Versus Actual Trajectory of Catapult Projectiles		
Harper, Caitlyn	10	Second Place
Title: Reward vs. Punishment		
Klapkowski, Myles	10	Third Place
Title: The Mpemba Effect		
Lentz, Emmett	9	Third Place
Title: The Effect on Water From Different Watersheds		
Miller, Elizabeth	10	Third Place
Title: Electromagnetic Acceleration Launch Simulation		
Pivonka, April	10	First Place
Title: Feeding the Future: What is our Fate without Phosphate?		
Stewart, Grace	9	Second Place
Title: Genetics in Rabbit Breeding		



# Fair Winners

Camp Hill Middle School

Name	Grade	Award
<b>Teacher: Diehl, Amy</b>		
Drda, Jack	8	First Place
Title: How Does the Quality of Local Bodies of Water Affect Algal Growth		
Eberlein, Gus	8	First Place
Title: The 7-Tone Scale		
Gurgiolo, Matthew	8	First Place
Title: At What Rate Does a Person's Range of Hearing Decrease with Age?		
Newman, Annie	8	Second Place
Title: How Does Temperature Affect Crystal Growth?		
<b>Teacher: Losh, Robert</b>		
Fegan, Sara	8	Second Place
Title: How Different Temperatures Affect the Growth of Different Crystal Formations		



# Fair Winners

Carlisle High School

Name	Grade	Award
<b>Teacher: Barrick, Robert</b>		
Colangelo, Louis	12	First Place
Title: Up, Up and Away: The Affect of Wingtip Shape on Lift		
Curry, Caleb	12	Second Place
Title: Lung Capacity of Musicians		
Deltufo, Anthony	12	First Place
Title: The Heat Retention Capability of Different Types of Pasta		
Douglas, Tyler	12	Second Place
Title: Plants vs. Colored Light		
Hacker, Taylor	12	First Place
Title: Creator Formation: The Relationship Between the Force of Impact and the Ejection Pattern		
Kadric, Sandi	12	Second Place
Title: What is the amount of PM2.5 microns in Carlisle, PA's air?		
Lebo, Taylor	12	Second Place
Title: Air Quality VS Water Quality		
Lyons, Megan	12	Second Place
Title: Heights and Dangers		
Pavlovich, Sarah	12	First Place
Title: Let's Kick It		
Robinson, Jonathan	12	Second Place
Title: Jumping for Science: Ground Reaction Force of a Vertical Jump		
Smetana, Cierra	12	Second Place
Title: K9 Curiosity: The Tell-Tail Signs of a Dog's Emotions		
<b>Teacher: Moyer, Samantha</b>		
Raphael, Sarah	11	Third Place
Title: The Effects of Temperature on the Rate of Cellular Respiration of Mealworms		
<b>Teacher: Norcross, Emily</b>		
Dellinger, Joshua	9	Second Place
Title: Polymers vs. Hairmats: Which works better to clean up an oil spill?		
Frick, Hannah	9	Second Place
Title: EMF Radiation on Plant Growth		
Line, Arianna	9	Second Place
Title: EMF Radiation on Plant Growth		
Mosinski, William	9	Second Place
Title: Polymers vs. Hairmats: Which works better to clean up an oil spill?		





# Fair Winners

**Teacher: Savage, Chantal**

Alagic, Adnan 10

Second Place

Title: Truck Drag Change with Air Tabs

**Teacher: Spicer, Kevin**

Colestock, Leah 12

First Place

Title: Goodness Gracious (Not So) Great Balls of Evaporation

**Teacher: Tritt, Leslie**

Chilson, Brady 9

Second Place

Title: Thermal Heat Storage in Various Available Materials

Key, John 10

Second Place

Title: Stream Turbidity

Smith, Michael 9

Second Place

Title: Thermal Heat Storage in Various Available Materials

Spielman, Zoe 9

Second Place

Title: Dangerous Dirt



# Fair Winners

Carlisle Lamberton Middle School

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Name	Grade	Award
<b>Teacher: Brown, Elizabeth</b>		
Waleski, Ethan	7	First Place
Title: The Energy Inside a Peanut		



# Fair Winners

Carlisle Willson Middle School

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Name	Grade	Award
<b>Teacher: Aglow, Jeffrey</b>		
Huntsberger, Jaide	8	Third Place
Title: Twin Telepathy: Is it real or just a myth?		
Mattaboni, Timothy	8	Second Place
Title: Do people play video games similarly?		
<b>Teacher: Nealy, Susan</b>		
Deyoung, Annelise	8	Third Place
Title: Twin Telepathy: Is it real or just a myth?		



# Fair Winners

Central Dauphin East Middle School

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Name	Grade	Award
<b>Teacher: Ludlow, Diane</b>		
Aly, Aiah	8	Third Place
Title: Watch This!		
Edmonds, Alivia	8	Third Place
Title: Watch This!		



# Fair Winners

Cornwall Lebanon Cedar Crest High School

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Name	Grade	Award
Honey, Frank	10	Third Place
Title: Neutralizing the Fracking Controversy		



# Fair Winners

Cumberland Valley - Eagle View Middle School

Name	Grade	Award
<b>Teacher: Irvin, Christopher</b>		
Chhoeung, Jasmine	8	Second Place
Title: Personalities of Different Birth Orders		
Conrad, Hailey	8	Second Place
Title: Spot On		
Gottlieb, Julia	8	Third Place
Title: Children Using Gender Stereotypes		
Mattingly, Mia	8	Second Place
Title: Escargot or Escargone?		
Monger, Madison	8	Third Place
Title: How Do People Judge Dogs?		
So, Hannah	8	First Place
Title: Multi-tasking: Helpful or Harmful?		
<b>Teacher: Weigle, Julie</b>		
Corbin, Samuel	8	Second Place
Title: Balsa Wood Bridges		
Kerr, Courtney	8	Second Place
Title: Does Color of Hair Affect Perception of Intelligence?		
Murphy, Sarah	8	Second Place
Title: The Memory Test		
Runk, Morgan	8	Second Place
Title: Is Yawning Contagious Because of Empathy?		
Shin, Rachel	8	First Place
Title: Factors Affecting Friction		
Su, Aaron	8	Third Place
Title: Sweet Drinks and Teeth		



# Fair Winners

Cumberland Valley - Good Hope Middle School

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Name	Grade	Award
<b>Teacher: Albinson, Linda</b>		
Rao, Swetha	8	Third Place
Title: The Effects of Spinosad on a Fittonia		
<b>Teacher: Castle, Heather</b>		
Konka, Anushka	8	First Place
Title: The Effect of Acetic Acid on the Bioluminescence of <i>Pyrocystis fusiformis</i>		
<b>Teacher: Jackson, Brian</b>		
Lochan, Dev	7	Second Place
Title: Soil Color: a plant's strength or weakness?		
Shopp, Jordan	7	First Place
Title: Does natural plant-based amylase break starches down to simple sugars as well as Creon?		



# Fair Winners

Cumberland Valley High School

Name	Grade	Award
<b>Teacher: Brenneman, John</b>		
Lombardo, Hannah	12	First Place
Title: The Viability of E. Coli Colonies Exposed to Varying Levels of X-ray Radiation		
<b>Teacher: Heisler, Kathy</b>		
Grossman, Madelyn	11	First Place
Title: It's In the Bag: A Study of Food Bank Temperature Control		
<b>Teacher: Jaquette, Sandra</b>		
Han, Jeewon	9	First Place
Title: The Accuracy of Eyewitness Testimony		
<b>Teacher: Reed, Nicole</b>		
Ahmed, Biyar	10	First Place
Title: The Effectiveness Of Hand Sanitizer v.s. Hand Soap		
<b>Teacher: Romberger, Darla</b>		
George, Killiann	10	First Place
Title: The Effectiveness of Biosecurity Techniques		
Goodhart, Emiliann	12	Third Place
Title: Which Source of Biomass Produces the Most Energy?		
Hale, Mikenna	10	Honorable Mention
Title: Soil Enrichment from Earthworms		
Hartman, Gabriel	10	Second Place
Title: Can Fruit Powdering Be Used as a Preservation Technique?		
Mcgee, Megan	12	Second Place
Title: What are the Effects of Enzymatic Browning & Dehydration in Apples?		
Murlatt, Cheyenne	12	First Place
Title: Comparing Mane Growth From Olive Oil and Mane & Tail Groom		
Oechsler, Katerina	12	Honorable Mention
Title: Which Material Found in Nature Filters Water Most Effectively?		
Pauletta, Anna	11	First Place
Title: Beauty is in the Eye of the Beholder		





# Fair Winners

Dauphin County Technical School

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Name	Grade	Award
<b>Teacher: Tekely, Emilie</b>		
Culpepper ayler, Ursula	10	Third Place
Title: Cleaner SmackDown		
Ellison, Linnea	12	Second Place
Title: Environmental Toxins and Daphnia		
Soulliard, Alycia	11	Third Place
Title: Should You Clean Your Toothbrush?		
Wilson, Amaya	10	Third Place
Title: Are Insects trainable?		



# Fair Winners

Delone Catholic High School

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Name	Grade	Award
<b>Teacher: Gadow, Janis</b>		
Beauchat, Tessa	9	First Place
Title: The Effects of Magnetism on Bacterial Growth		
Hillson, Clayton	9	First Place
Title: Childhood Obesity: Is Parental Attitude and Underestimation of this Health		
		Risk Contributing to the Large-S
Luc, San	12	First Place
Title: Does Antibiotic Strength Affect Development of Resistance in Bacteria?		



# Fair Winners

Derry Township High School

Name	Grade	Award
<b>Teacher: Ambler, Jason</b>		
Benton, Laura	11	Second Place
Title: Strength of the Welds		
Chanda, Veda	10	First Place
Title: Mathematical Model for Myasthenia Gravis		
Geyer, Grant	11	Second Place
Title: Developing a pencil eraser with touchscreen functionality		
Hwang, Alan	11	First Place
Title: Developing an iOS App to Enable an Arduino-Controlled 3D Printed Hand		
Kanekar, Samika	11	Second Place
Title: Volumetric Analysis of Hippocampal-Amygdaloid Complex in Parkinson's Disease		
Miller, Michael	11	First Place
Title: A Computational Model For Dissecting Cancer		
Mongia, Advay	9	Second Place
Title: Golf in its Natural Environment		
Rao, Aparajita	10	Second Place
Title: The Three Variables Affecting Sleep		
Wang, Erica	11	First Place
Title: Fine-grained Crowd Selection for Mobile CrowdSensing		
Wu, Maggie	12	First Place
Title: Detection of Free Radicals in Foods by Utilizing Fluorescence Molecular Imaging Technology		
Yuan, Xiaochen	11	First Place
Title: Cryo-EM enters a new era-Human Papillomavirus 6 structure at near atomic resolution		
Zaidel, Michael	10	Second Place
Title: Extrapolation of Matter and Antimatter Distribution from AMS		



# Fair Winners

Franklin County

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<b>Name</b>	<b>Grade</b>	<b>Award</b>
Cason, Alexandra Title: Conservative Concrete	10	Second Place
Mccleaf, Joshua Title: Memory vs. Mnemonics	8	Third Place
Whitney, Noah Title: Effect of temperature on latent fingerprints	7	Honorable Mention



# Fair Winners

Good Shepherd School

Name	Grade	Award
<b>Teacher: Miller, Stephanie</b>		
Arora, Maya	8	First Place
Title: And Then There Were Three		
Balaban, Peyton	8	Second Place
Title: Childproof Containers Vs. Age		
Bartow, Velly	8	First Place
Title: Baseball And Physics		
Dash, Caroline	8	Third Place
Title: Which Liquid Helps Winter Rye Seeds Germinate Fastest?		
Deja, Olivia	8	Second Place
Title: The Voice: Male or Female		
Drendall, Devan	8	First Place
Title: Mountainous Effects On Bone Structure		
Mandich, Alexa	8	First Place
Title: Fabrics Are to Dye For		
O'neil, Caroline	8	Second Place
Title: Beet It Again		
Siedlecki, Meagan	8	First Place
Title: Solar Fire		
Whelan, Robert	8	First Place
Title: Deflate Gate Cheating or Science		
Yaninek, Zachary	7	First Place
Title: Inhibiting the Corrosion of Metals with Ascorbic Acid		



# Fair Winners

Greenwood MS/HS

<b>Name</b>	<b>Grade</b>	<b>Award</b>
<b>Teacher: Everett, Jonathan</b>		
Glatz, Chase	10	Second Place
Title: Can You Smell It?		
Knisely, Jordon	12	Honorable Mention
Title: Home-Made Generator		
Olson, Hannah	9	Second Place
Title: Fears...Still Fears		
Stephenson, Fayth	11	Honorable Mention
Title: GMO or No?		
Strong, Samantha	12	Honorable Mention
Title: Home-Made Generator		



# Fair Winners

Halifax Area Middle School

Name	Grade	Award
<b>Teacher: Mcguire, Jessica</b>		
Faust, Lydia	8	Third Place
Title: Dyes In Grape Soda		
Galkowski, Hunter	8	Third Place
Title: Crystals Of Life		
Galkowski, Katya	7	Third Place
Title: Bloody Personality		
Herrold, Haley	7	Honorable Mention
Title: Potions and Lotions		
Platt, Lenka	8	Second Place
Title: To Grow Or Not To Grow- That Is The Acid		
Reed, Morgan	7	Honorable Mention
Title: What Will Increase or Decrease Wi-Fi Strength?		
Reynolds, Jonathan	8	Third Place
Title: Crystals Of Life		
Warfel, Austin	7	Honorable Mention
Title: Potions and Lotions		
Weaver, Rebekah	8	Second Place
Title: Moody Mice		



# Fair Winners

Harrisburg Academy

Name	Grade	Award
<b>Teacher: Hurst, Denise</b>		
Connelly, Kate	8	Third Place
Title: How Do Magnets Affect Electric Output?		
Halcovage, Madison	8	Third Place
Title: Reward or Punishment: Which is the Better Motivator?		
Hoagland, Sophia	8	Second Place
Title: Electromagnetic Induction		
Papenfuse, Clarissa	8	Second Place
Title: Do Scent and Sight Affect Your Taste?		
Yoon, Dahna	8	Third Place
Title: Soda is a Beverage and a Cleaning Product		
<b>Teacher: Shrikantia, Lakshmi</b>		
Bandi, Praneeta	7	First Place
Title: Measuring and Comparing Vital Capacity		
Burick, Matthew	7	Second Place
Title: Which Angle of Attack Generates the Most Lift?		
Caldwell, Paige	7	Second Place
Title: Which Common Material is the Best for Soundproofing?		
Dean, Caleb	7	Second Place
Title: En Guard or On-line? Who has faster reaction time?		
Depamphilis, Devin	9	Second Place
Title: VAWT vs. HAWT - A Wind Turbine Face Off		
Idrovo, Olilia	7	First Place
Title: Does Music Help or Hinder Your Thinking		
Pastor, Jonathon	11	First Place
Title: What type of pain medication acts the fastest?		
Sheker, Wesley	12	First Place
Title: The effect of growth time on the proliferation of <i>Methylococcus capsulatus</i> in an aerobic-anaerobic carbon dioxide bioreactor		
Warren, Alec	9	First Place
Title: Examining the Law of Large Numbers		
Warren, Rebekah	7	Honorable Mention
Title: Returning to Normal		





# Fair Winners

Harrisburg City Sci-Tech High School

Name	Grade	Award
<b>Teacher: Roberts, Sunada</b>		
Batista, Marco	9	Third Place
Title: Relation of Drug use and Teen Health		
Dahal, Sabina	10	Third Place
Title: Teen severe sadness and coping skills		
Figueroa, Lucy	10	Honorable Mention
Title: High School Senior Anxiety and teen stress		
Figueroa, Sofia	12	Honorable Mention
Title: High School Senior Anxiety and teen stress		
Gann, Alasia	9	Third Place
Title: Teen Extracurricular activities and student stress		
Le, Hoang	9	Second Place
Title: Teen Extracurricular Activites and Academic Productivity		
Ledesma, Estefania	11	Third Place
Title: Severe sadness and Risky behavior year 2		
Lin, Linxin	10	Third Place
Title: Teen severe sadness and coping skills		
Lu, Peng	9	Second Place
Title: Teen Sleep habits and GPA		
Mitchell, Angel	9	Third Place
Title: Teen Extracurricular activities and student stress		
Nasar, Moobeen	9	Third Place
Title: Bullying and teen depression		
Robinson, Alexis	9	Third Place
Title: Teen Anxiety and Strees and Low GPA		
Stewart, Zyon	9	Third Place
Title: Relation of Drug use and Teen Health		
Vasquez, Cintia	11	First Place
Title: HOW SCHOOL ENVIRONMENT WITH PARENTAL SUPPORT AFFECTS STUDENT GPA		
Wallace, Samani	9	Third Place
Title: Teen Social Anxiety and Low GPA		
Wilson, Jailah	9	Third Place
Title: Teen Peer Pressure and Popularity		



# Fair Winners

Holy Name of Jesus

<b>Name</b>	<b>Grade</b>	<b>Award</b>
<b>Teacher: Zeglen, Christine</b>		
Mcnamara, Kathryn	8	Second Place
Title: Baby Its Cold Outside		
Murawski, Katelyn	8	First Place
Title: The Eyes Have It. Retinal Recovery		
Polek, Hannah	8	Second Place
Title: Red, White, and Blue: Danger, Simplicity, and Trust		



# Fair Winners

Immaculata Home School Academy

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<b>Name</b>	<b>Grade</b>	<b>Award</b>
<b>Teacher: Heil, Sarah</b>		
Heil, Isaac	10	Second Place
Title: Just Deserts: A Mathematical Analysis of Food Deserts, Poverty, and SNAP participation		
Heil, Josemaria	12	Second Place
Title: LEGOnomics: A Mathematical Study of LEGO Pricing		
Heil, Marie-therese	7	Second Place
Title: Is the Food Network Making You Fat? A Mathematical Analysis		



# Fair Winners

Linglestown Middle School

Name	Grade	Award
<b>Teacher: Armstrong, Kathryn</b>		
Arch, Adam	7	Honorable Mention
Title: What is the Effect of Classical Music on Short-term Memory		
Brosius, Elizabeth	7	Third Place
Title: Are Fingerprints Patterns Inherited		
Chen, Jason	7	Second Place
Title: How Does a Hovercraft's Surface Affect It's Height?		
Cook, Logan	7	Second Place
Title: What weight of field points will penetrate an archery target the farthest?		
Cordner, Alex	7	Second Place
Title: What is the effect of Baseball Bat Material on Distance the Baseball Travels after Contact		
Guarente, Hannah	7	Second Place
Title: What Brand of Popcorn Pops the Most Kernels?		
Hanna, Alexander	7	Second Place
Title: Which Paper Surface Is Best For Drawing With An Artbot?		
Hicks, Joshua	7	Second Place
Title: Which Bridge Design Withstands the Most Force?		
Jones, Matt	7	First Place
Title: What Angle is Best for Kicking a Football?		
Lee, Aniela	7	Second Place
Title: What height will produce enough kinetic energy to complete a loop?		
Lockwood, Dominic	7	First Place
Title: Which style bridge is most efficient		
Moore, Scott	7	Second Place
Title: Which Materials are the Best Conductors?		
Royer, Jacqueline	7	Second Place
Title: Does Gender Affect How We See Optical Illusions?		
Schwab, Samuel	7	Second Place
Title: What is the Effect of Different Drinks on Tooth Erosion and Weight Change?		
Sherr, Lilah	7	First Place
Title: Does the Kiki and Bouba Effect Work Every Time?		



# Fair Winners

Londonderry School

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Name	Grade	Award
<b>Teacher: Bower, Judy</b>		
Carter, Seth	8	First Place
Title: I Am Stalling! Exploring the Effects of Stalling with Different Camber Wings		
Healy, Caroline	8	Third Place
Title: Germ Warfare		
Warner, Cheyna	8	Second Place
Title: The Effects Of Various Sweeteners On Planaria: Year Two		



# Fair Winners

Lower Dauphin High School

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Name	Grade	Award
<b>Teacher: Koons, Dawn</b>		
Chambers, Ruth	11	Second Place
Title: The Effect of Sports on Cumulative GPA		
Hazen, Meredith	11	Second Place
Title: The Effect of Sports on Cumulative GPA		
Tinker, Sarah	11	Second Place
Title: The Effect of Sports on Cumulative GPA		



# Fair Winners

Mechanicsburg Area Middle School

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Name	Grade	Award
<b>Teacher: Chubb, Brian</b>		
Waldman, Andrew	8	Third Place
Title: How effective are weather predictions		



# Fair Winners

Middletown Area High School

Name	Grade	Award
<b>Teacher: Oneil, Terri</b>		
Campbell, Daria	10	Third Place
Title: Team Overload		
Fager, Lillian	10	Third Place
Title: Substance Abuse		
Flasher, Gabe	10	Third Place
Title: Sports and Acne		
Gamble, Antonio	10	Third Place
Title: Sports and Acne		
Haederer, Owen	10	Third Place
Title: Substance Abuse		
Lombardi, Keely	10	Third Place
Title: Team Overload		
Mcdevitt, John	10	Third Place
Title: Substance Abuse		
Truesdale, Kyle	10	Third Place
Title: Team Overload		
Valerio, Kendra	10	Third Place
Title: Sports and Acne		
<b>Teacher: Schell, Tiffany</b>		
Brennan, Kyle	12	Second Place
Title: The Effects of Over the Counter Drugs on Yeast Cells with Vitamin E		
Patel, Aayushi	9	First Place
Title: The Effects of Antifungal Medication and Alternatives on Yeast Growth		
Patel, Richa	10	Honorable Mention
Title: Effects Of Temperature On Saturated Fat Levels In Various Cooking Oils		





# Fair Winners

Middletown Area Middle School

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Name	Grade	Award
<b>Teacher: Davis, Trevor</b>		
Lee, Amanda	7	Second Place
Title: Spread the Soap, Not the Germs		



# Fair Winners

Saint Joseph School Mechanicsburg

Name	Grade	Award
<b>Teacher: Sansone, Nicholas</b>		
Borkenhagen, Hannah	8	First Place
Title: Do You See What Eye See?		
Britt, Spencer	8	Second Place
Title: How Super Is Your Glue?		
Carson, Jaime	8	First Place
Title: The Cricket is the Ticket		
Coyle, Connorj	8	Second Place
Title: Talk To You Later		
Dominguez, Katie	8	Second Place
Title: Just Breathe		
Ferraro, Maria	8	Second Place
Title: Frequed Out About Sprouts		
Gouldy, Megane	8	First Place
Title: What Dirty Little Secrets Is Your Toothbrush Hiding?		
Hamlet, Kyle	8	Second Place
Title: Shocking News		
O'Brien, Mia	8	First Place
Title: Coordination		
Pykosh, Isabella	8	Second Place
Title: Just Wing It		
Wacker, Vanessa	7	Second Place
Title: Catch the Wave		
Warren, Adam	7	Second Place
Title: Under Pressure		



# Fair Winners

St. Francis Xavier Catholic School

Name	Grade	Award
<b>Teacher: Woods, Amy</b>		
Biesecker, Kylie	8	Second Place
Title: The Effect of Salt, Sugar, and Water on Ice		
Kibler, Griffin	7	First Place
Title: Sports Prosthetics		
Malesky, Emily	7	First Place
Title: The Effect of Color on the Brightness of a Sun-Print Image		
Martin, Benjamin	7	Second Place
Title: Creating a Lego Technic Stopwatch		
Myers, Leanna	7	Second Place
Title: The Effect of Plant Life on Erosion		
Parr, Zachary	7	First Place
Title: The Effect of Temperature on Battery Life .		
Phillips, Helen	8	Second Place
Title: Creating an iPod Projector		
Rogers, Lucy	8	First Place
Title: Determining the Electrolyte Content of Different Beverages		
Sautter, Daniel	7	First Place
Title: Creating a Solar Powered Portable Outlet		
Sieg, Madison	8	Second Place
Title: The Effect of Land Use on Water Quality		
Stanley, Ashley	8	First Place
Title: Effect of Angle Bracing on Maximum Weight a Bridge Can Hold		
Staub, Austin	8	Second Place
Title: Creating a Sturdy Bridge		
Uribe, Sherlyn	8	Second Place
Title: Effect of Substrate on Building Foundation Stability		
Warthen, Andrew	7	First Place
Title: Determining Water Quality		



# Fair Winners

St. Joan of Arc

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Name	Grade	Award
<b>Teacher: Lagrelius, Ann</b>		
Abel, Hope	8	Second Place
Title: Scents & Sensibility		
Aluquin, Lindsay	8	Second Place
Title: Battle of the Repellents: Lemon Peel vs Orange Peel		
Eberwein, Elizabeth	8	Second Place
Title: All Natural vs Artificial Ingredients in a Hamburger, Which is Better for You?		
Keane, Kathryn	8	Second Place
Title: The Sound of Music and Plants		
Roche, Colin	8	Second Place
Title: Its Just Rocket Science		



# Fair Winners

St. Margaret Mary

Name	Grade	Award
<b>Teacher: Corrigan, Michelle</b>		
Bradford, Jia	8	First Place
Title: "Egg-Cellent" Cupcakes		
Danner, Myah	7	Second Place
Title: With All My Heart		
Dawson, Susan	8	Second Place
Title: Feeder Frenzy		
Deily, Samuel	7	Second Place
Title: Get A Grip		
Dick, Kathleen	8	Second Place
Title: "C" the Difference		
Fazzolari, Grace	7	Second Place
Title: Forensic Investigation: What Is That Stuff?		
Hughes, Garrett	7	Second Place
Title: Is It Getting Hot in Here? Investigate the Greenhouse Effect		
Johnson, Kylie	8	First Place
Title: the ABC's of OJ		
Recce, Gabriella	8	First Place
Title: Say "Goodbye!" To Dry		
Recce, Maddalena	7	First Place
Title: Say "Goodbye!" To Dry		
Zitto, Isabelle	8	First Place
Title: Calculating Calories		



# Fair Winners

St. Theresa School

Name	Grade	Award
<b>Teacher: Banks, Michelle</b>		
Francis, Jocelyn	8	Second Place
Title: Effect of Reading Experience on Stroop Effect		
Jendrysik, Lizzie	7	First Place
Title: The Break Down of Toilet Paper, Flushable and Regular Wipes		
Levin, Elizabeth	7	First Place
Title: Which Material Is the Most Effective in Absorbing Oil?		
Musselman, Matthew	8	Second Place
Title: The Gripping Truth: Temperature Does Affect Grip Strength		
Shore, Elise	8	First Place
Title: Maximal Inhalation of Swimmers Vs. Non-Swimmers		
Smith, Amanda	8	Second Place
Title: Do Gas Stations Affect the pH of the Surrounding Soil?		
Uroda, Melanie	7	First Place
Title: Stop the Slosh		



# Fair Winners

Susquehanna Township High School

Name	Grade	Award
<b>Teacher: Bingham, Joleen</b>		
Huynh, Tu	12	Second Place
Title: Grow a Plant, Save a Life?		
Jacobs, Nathan	12	Third Place
Title: Fluids and Continuity		
Ji, Albert	11	Third Place
Title: The Mpemba Effect		
Merlina, Kohl	12	Third Place
Title: Fluids and Continuity		
Pham, Viet	11	Third Place
Title: The Mpemba Effect		
Thomas, Brady	12	Third Place
Title: Fluids and Continuity		
Vu, Tyler	12	Second Place
Title: Grow a Plant, Save a Life?		



# Fair Winners

Susquenita High School

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<b>Name</b>	<b>Grade</b>	<b>Award</b>
<b>Teacher: Becker, Kathy</b>		
Chen, Yu	9	Second Place
Title: Effects of Detergents on Bacteria		
Comisac, Katherine	10	Second Place
Title: A Study of Sound Reflection		
Gallihier, Kaitlyn	11	First Place
Title: Sweet, Sweet Microbes		
Nopper, Jessica	10	Third Place
Title: Vitamin C Comparison in Local and Imported Produce		
Timothy, Zoe	10	Second Place
Title: Tannin concentration in Tea		





# Fair Winners

Susquenita Middle School

Name	Grade	Award
<b>Teacher: Johnson, Beth</b>		
Baker, Charley	8	Second Place
Title: Music in a Rueben's Tube		
Boaz, Harrison	8	Third Place
Title: The Relationship Between Soil Compaction and Soil Fertility		
Brown, Abby	8	Second Place
Title: Rate of Reaction		
Cassell, Natalie	7	Second Place
Title: The Difference in Durability of Hand-Made and Plastic Water Bottles		
Farr, Kira	8	Second Place
Title: Magnetic Goo		
Kremsner, Tristen	8	Second Place
Title: Rates of Reaction with Alka-Seltzer		
Lenker, Matthew	7	Honorable Mention
Title: Glowing Pickle		



# Fair Winners

Trinity High School

Name	Grade	Award
<b>Teacher: Piscioneri, Linda</b>		
Alderman, Pia	12	First Place
Title: Effects of Infrared/UV Light on Dugesia tigrina Regeneration		
Dudding, Kim	9	First Place
Title: Keeping an "Ion" Roundup		
Gunther, Simon	9	Second Place
Title: Can opening your refrigerator lead to food poisoning?		
Gunther, Winnie	10	Second Place
Title: Do Contacts Make For Less Frequent Blinking?		
Hadley, Joseph	11	Second Place
Title: Effects of Biological Control on a Nontarget Species		
Mansbarger, Sage	12	Second Place
Title: The affects of acid on the rate of mitosis in onion root tips		
O'neil, Annabelle	10	Third Place
Title: Got Gas?		
Oneil, Madeleine	12	Second Place
Title: Arbelos		
Rios, Ryan	12	Second Place
Title: The affects of acid on the rate of mitosis in onion root tips		



# Fair Winners

Upper Dauphin Area Middle School

Name	Grade	Award
<b>Teacher: Britton, Tricia</b>		
Bowman, Sam	7	Honorable Mention
Title: Does the angle of shooting a basetball affect whether you make the basket or not?		
Buffington, Rebecca	7	Second Place
Title: How low can it go?		
Deavers, Calista	7	Second Place
Title: What Types of Wood Burn the Slowest?		
Miller, Collin	7	Second Place
Title: Fishing line strength		
Nestor, Eileen	7	Second Place
Title: How Age Affects our Ability to Detect Salt		
Ney, Maria	7	Second Place
Title: How can temperature affect rubber band elasticity?		
Schreffler, Kinsley	7	Second Place
Title: What Types of Wood Burn the Slowest?		
Shutt, Alexander	7	Honorable Mention
Title: Structure turbulence		
Simmers, Peyton	7	Third Place
Title: Balloon-powered car		
Smith, Cheyenne	7	Third Place
Title: Does soil affect water pH?		
Snyder, Gavin	7	Third Place
Title: Balloon-powered car		
Wise, Nathan	7	Second Place
Title: How far can a catapult hurl a football?		
Zerby, Colten	7	Second Place
Title: How far can a catapult hurl a football?		



# Fair Winners

West Perry High School

Name	Grade	Award
Dell, Cameron	11	First Place
Title: Effect of Field Surface on Amount of Bacteria		
Richard, Wyatt	11	Second Place
Title: The effect of antibacterial agents on bacteria		
<b>Teacher: Courage, Mary</b>		
Brown, Maggie	11	First Place
Title: Compost vs. Synthetic Fertilizers		
Magee, Kaylee	10	Second Place
Title: Help the Medicine Go Down		
Urich, Savannah	10	Honorable Mention
Title: Effects of a changed environment on plant growth		
<b>Teacher: Frey, Jody</b>		
Dubaich, Keith	9	Second Place
Title: Hydroponics vs. Soil: A Comparative Analysis		
Houtz, Hannah	12	First Place
Title: The Effect of Surname on Politicians' Response to Email		
Shirmer, Adele	9	First Place
Title: The Impact of Artificial EMFs on Planarian Electoreception		
Stauffer, Gracie	11	Second Place
Title: The Effect of Oxygen Deficiency On Bean Seed Germination		
Stum, Morgan	12	First Place
Title: The Effects of Nitrogen-Fixing Bacteria on the Growth of Leguminous Plants		
<b>Teacher: Riter, Betsy</b>		
Steffy, Paige	11	Second Place
Title: Increasing school security using computer programming		



# Fair Winners

West Shore Cedar Cliff High School

Name	Grade	Award
<b>Teacher: Plassio, Audrey</b>		
Boucher, Allison	10	Second Place
Title: The Effect of Music on Grades		
Carter, Justin	10	Honorable Mention
Title: Self Esteem and Eating Habits		
Clark, Maxwell	10	Second Place
Title: Sports and the Correlation to Stress		
Ghiazza, Grace	10	Second Place
Title: Sports and the Correlation to Stress		
Hashmi, Raabia	10	Third Place
Title: The Effects of School Lunches on Health		
Hernandez, Lisbeth	10	Honorable Mention
Title: Substance Abuse as it Relates to Family Problems		
Hogan, Ryder	10	Honorable Mention
Title: Substance Abuse as it Relates to Family Problems		
Kaiser, Caroline	10	Second Place
Title: Sports and the Correlation to Stress		
Krach, Jakob	10	Third Place
Title: The Effects of Technology on Students' Grades		
Lerch, Neil	10	Third Place
Title: The Effects of Technology on Students' Grades		
Mueller, Laura	10	Third Place
Title: The Effects of School Lunches on Health		
Perry, Jalyne	10	Honorable Mention
Title: Substance Abuse as it Relates to Family Problems		
Rahmouni, Oussama	10	Honorable Mention
Title: Self Esteem and Eating Habits		
Regalado, Britny	10	Second Place
Title: The Effect of Music on Grades		
Watson-hall, Tor-rhay	10	Third Place
Title: The Effects of Technology on Students' Grades		
Wiestling, Patrick	10	Honorable Mention
Title: Self Esteem and Eating Habits		
Zvorsky, Catherine	10	Second Place
Title: The Effect of Music on Grades		



Zygmunt, Molly

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# Fair Winners

Third Place

Title: The Effects of School Lunches on Health