

SCHEDULE OF EVENTS

Tuesday, March 14, 2017

8:00 AM - 3:00 PM JUDGING OF EXHIBITS

Wednesday, March 15, 2017

9:00 AM - 4:00 PM TEACHER-CONDUCTED TOURS FOR SCHOOLS

9:00 AM - 6:00 PM FAIR OPEN TO PUBLIC

7:30 PM AWARDS PROGRAM
Albright Chapel

Introductory Remarks

Bob Novak, President, RBSEF, Inc.

Prof. Karen Campbell
P. Kenneth Nase Chair of Biology
Albright College

Presentation of Awards

Linda Rentschler, Fair Director

Thursday, March 16, 2017

12:00 PM - 8:00 PM REMOVE ALL PROJECTS

ALL EXHIBITS MUST BE REMOVED BY 8:00 PM

Note: Any unclaimed projects will be moved to the dumpster.

FINANCIAL CONTRIBUTORS 2017

\$5,000 Contributor – Principal Sponsor



Carpenter Technology Corporation

\$1,000 Contributors - Division Sponsors

American Geotech Inc.

Schatz Electric, Inc

\$500 Contributors-Division Co-Sponsors

Michael and Rose Gerhart

Bob and Joanne Novak

Reading Health System

Any corporation or individual wishing to join in supporting the Reading-Berks Science and Engineering Fair may send a contribution to RBSEF, Inc., PO Box 13314, Reading, PA 19612. RBSEF, Inc. is a non-profit corporation whose sole purpose is the operation of the science fair.

The Reading-Berks Science and Engineering Fair is incorporated as RBSEF, Inc. RBSEF, Inc. has an IRS 501 C3 tax exemption. Your charitable contribution may be eligible for a full tax deduction under the rules of the Internal Revenue Service.

Special thanks to Carpenter Technology for continuing to provide major financial support of the science fair.

AWARDS

The decisions of the judges reflect their desire to recognize exhibitors who have displayed outstanding science and engineering projects. The award guidelines may be changed at the discretion of the award donor or the judges in order that deserving students may be recognized.

Senior Division - 9th through 12th grades. Honorable mentions in each of the eight classifications will receive badges and ribbons. First through fourth place winners will receive medals. The Grand Champion, the Champion and the Reserve Champion will each receive a plaque and a rosette. The Grand Champion and the Champion will be eligible to participate in the INTEL International Science and Engineering Fair to be held in Los Angeles, CA May 14 – May 19, 2017.

The Grand Champion, Champion and the Reserve Champion will be selected from the top projects in the Senior Division. The Assistant Fair Directors will determine the winners.

Junior Division - 6th through 8th grades. Honorable mentions will be awarded badges and ribbons. First through fifth place winners will receive medals. Junior Division students in 1st to 5th place will receive Broadcom Masters awards and invitations to compete in the 2017 Broadcom Masters national competition.

All exhibitors whose entries were accepted by the registration deadline will receive certificates for their participation in the Reading-Berks Science and Engineering Fair.

SPECIAL AWARDS

The special awards are judged and presented by the following professional, technical and civic organizations, corporations and the U.S. Armed Forces.

Alliance to the Berks County Dental Society

For exhibits that are outstanding and relevant to dental awareness. Awards not to exceed \$150 total in the Junior and Senior Divisions.

Altrusa Club of Reading

A \$50 award to one girl and one boy in the Junior Division who have accrued the second highest number of points in natural or physical science.

American Association of University Women, Reading

A \$200 award in the Senior Division and a \$100 award in the Junior Division, to high ranking girls.

American Geotech, Inc.

A \$200 award to the winner of the Engineering Division. The Award will be presented after the Senior Division category Awards are presented. In addition, \$100 each for outstanding projects in Geology, Environment, and Materials.

American Meteorological Society

Certificates of outstanding achievement for two exhibits in the field of meteorology.

American Psychological Association

A certificate for outstanding research in psychology.

American Society of Civil Engineers

Two \$100 awards in the Senior Division for outstanding projects in Civil, Structural, Environmental, or Geothermal Engineering, or related sciences.

Apparatus Award

A \$100 award for the project which best utilizes student built apparatus and methodology.
Sponsored by Dr. William Heffner

ASM International - Lehigh Valley Chapter

Three \$100 awards, Junior Division; and a \$200 award, Senior Division, plus Certificates of Achievement will be given for best projects exhibiting understanding and knowledge of the physical sciences, materials and metallurgy.

ASM Materials Education Foundation

A certificate and medallion for the best materials engineering project.

Assistive Technology Committee

\$50 for the best Junior or Senior Division project related to a disability.

Association for Women Geoscientists

An award certificate is presented to a female student whose project exemplifies the high standards of innovativeness and scientific excellence in the geosciences.

Atlantic Energy Concepts

Awards of \$50 to Junior and Senior projects which best demonstrate exceptional commitment to reducing the use of natural resources by business through conservation and the use of energy efficient technology.

Berks County Conservation District

A \$500 award for the project which best represents the organization's mission:
"Encouragement and instruction of the wise stewardship of the soils and waters of Berks County so that present and future generations may have healthy land on which to live and clean water for drinking and recreation."

Berks County Dental Society

Awards of \$100, one each in the Junior and Senior Divisions, for outstanding exhibits in the field of dentistry.

Berks County Medical Society

Awards of \$100, \$75, \$50 in the Senior Division and \$75 in the Junior Division for outstanding projects in the medical and health field.

Berks County Pharmacists Association

Four \$50 awards for outstanding exhibits in the field of pharmaceutical science, two each in the Junior or Senior Divisions.

Berks Photographic Society

A \$75 award in the Senior Division and a \$75 award in the Junior Division for the best use of photography in a project.

Berks Western Telecom, Inc.

Two Awards of \$50 to a project that contains a technology aspect.

Brenntag Northeast, Inc.

A \$300 and a \$200 award in the Senior Division for outstanding achievement in the field of chemistry and for advancing the chemical profession through connecting chemistry.

Brentwood Industries

Three awards will be given. Each being \$100 and awarded to three students (age bracket does not matter) that have projects at align with Brentwood Industries business/product lines.

Brian Wentling Memorial

A \$100 award to the highest ranking boy or girl in Junior Division Natural Science. The award will be presented after the Junior Division category awards.

Code Relief LLC

Two \$25 awards in the Junior Division for the most creative display board presentation or model.

Conrad Weiser Lions Club Award

\$25 each to two Conrad Weiser High School and two Conrad Weiser Middle School students whose projects best show application to Lions Club vision of helping others.

Diocese of Allentown

A \$30 award to the highest ranking girl from a parochial school in the Junior Division; and an environmental science and technology award of \$30 will be given in the Junior Division or Senior Division to a student from a parochial school.

Element Environmental Solutions

The following four awards are for projects that conveyed a clear understanding of the chosen topics, were enlightening, used good scientific method and were just plain FUN to judge.

\$25 Award for the Junior Division – Natural Science

\$25 Award for the Junior Division – Physical Science

\$75 Award for the Senior Division – Botany, Zoology and any topic in the other classes that apply to more Natural Sciences

\$75 Award for the Senior Division – Chemistry, Earth/Space Sciences, Engineering, Medicine/Health and any topic in the other classes that apply to more Physical Sciences

Entech Engineering

Three awards of \$50 in the Junior Division and one \$100 award in the Senior Division for projects which display creative concepts and could lead to useful inventions.

First Group Health Care, Ltd.

Awards up to \$500 for outstanding exhibits in the field of medicine, Junior or Senior Division.

Frank D. Herron Award

In memory of the long-time director of the Reading-Berks Science and Engineering Fair, two awards of \$50 each for the most unusual projects exhibited.

Fraternal Order of Police, Lodge #9, of the City of Reading

The Sgt. Donald Matz Award of \$1000 for the most outstanding project in forensics or chemistry.

Genius Olympiad (Oswego State University of New York)

Two awards to students in grades 8-12 who identify a problem and a solution in either: 1. ecology and biodiversity, 2. environmental quality, 3. resources and energy, 4. human ecology. These students advance to the international competition at SUNY Oswego.

Intel Excellence in Computer Science

Award certificate and \$200 to the most outstanding computer science project in the Math & Computers Division.

I-SWEEP (International Sustainable World Energy, Engineering, & Environmental Project Olympiad)

Awarded to the Senior division project which best displays environmental sustainability and innovation. The winner is invited to compete in the World I-SWEEP in Houston, TX in May.

Law Office of Hilary J. Sumner

A \$75 award given for the most innovative electro-mechanical device.

Lehigh Valley Chapter of the American Chemical Society

A \$100 award to the winner of the Chemistry Division. The award will be presented after the Senior Division category awards are presented.

Met Ed

A certificate and award to one Junior and one Senior Division student with the best energy related project.

Microsemi Corporation

One award of \$1,000 for the best Senior Division use of engineering. A second award of \$1,000 for best use of communications or medical technology in the Senior Division. A third award of \$500 to the 8th Grade Champion (Presented after the category awards).

Mohnton – Cumru Lions Club Award

A \$50 award to a Governor Mifflin student in the Senior Division and a \$50 award to a Governor Mifflin student in the Junior Division whose projects best show application to supporting community.

Mu Alpha Theta

A certificate for the best investigation of a problem involving high school mathematics.

NASA Earth System Science Award

Certificate presented to the Student whose project offers the greatest insight into the earth's interconnected systems.

National Oceanic and Atmospheric Administration (NOAA)

A medallion and a certificate for research to understand and predict changes in earth's environment and conserve coastal and marine resources.

Office of Naval Research

Achievement certificates and \$50 gift certificates to students with outstanding exhibits in the Senior Division, and certificates to selected students in the Junior Division.

Penn State Berks, Engineering and Technology Programs

Awards as follows:

\$50 gift card for the best project in the senior division involving mechanical engineering project sponsored by the ME program.

\$50 gift card for the best project in the senior division involving building something involving electrical OR electromechanical sponsored by the EMET program.

\$25 gift card for the best project in the junior division involving building something mechanical sponsored by the ME program.

\$25 gift card for the best project in the junior division involving building something electrical/electromechanical sponsored by the EMET program.

Penn State Berks, Science Division

Three awards of \$100 for the best projects in agricultural science, biological science and physical science. One award of \$50 for outstanding use of data and statistics.

Penn State Berks, Summer Camps

Middle School Camp, for students entering 5th - 8th grades fall of 2017

One week of camp will be awarded for the following camps, note there is no cash value and no substitutions:

- Movie Making-Storylines & iMovies, June 19-23
- Jr. Nittany Criminal Investigative Service Camp, June 19-23
- Robo Camp, June 26-30
- Youth Architect Camp. July 17-21
- Science at Its Finest, July 24-28
- Science of Technology Camp, August 1-5

High school Camp, for students entering 9th- 12th grades, in the fall of 2016.

One week of camp will be awarded for the following camps, note there is no cash value, no substitutions. All high school camps are held the week of July 10-14

- Forensic Science Camp
- Engineering Camp
- Computer and Cyber Security Camp

Project Excellence Award - Przyjemski Family

\$100 award to Senior and \$50 award to Junior Division students for exhibits that demonstrate project excellence through appropriate use of project notebook, well written project report, thought out project display, and proper use of the scientific/engineering process.

Reading Area Community College

Six \$25 awards will be given at each grade level in the Junior Division. Prizes will be provided by the Nanoscience Technology Program.

Reading Area Community College

One freshman (100 level) course scholarship (3 or 4 credits) for a meritorious project in the Senior Division. The scholarship is provided by the Foundation for RACC.

Reading Chapter, Pennsylvania Society of Professional Engineers – Scott G. Daelhousen Engineer’s Award

Awards of \$300 to the Grand Champion and \$200 to the Champion. The Grand Champion award is funded by the Scott G. Daelhousen Engineer’s Award endowment and distributed by the Berks County Community Foundation (Presented after the category awards).

Reading Fightin Phils

Award of 6 General Admission Tickets for any 2017 regular season home game to the project that best incorporates sports.

Reading Health System

Awards of \$125 each to a Senior Division project and a Junior Division project that best demonstrates Advancing Health, Transforming Lives.

Ricoh Americas Corporation

Certificate presented to the student whose research has demonstrated the principles and technical innovations that offer the greatest potential for sustainable Development.

Schatz Electric

An award of \$250 presented in memory of Harold Bucks for projects that display practical use of electrical or electromechanical devices. An award of \$250 presented in honor of Al Happ, Instructor, Berks Career & Technology Center, for projects that display practical use of electrical or electromechanical devices.

Scoboria Family

A \$200 award to the winner of the Physics Division. Also a \$100 award in the Junior Division for the best Physics Project.

Senator Judy Schwank Award

Awards of \$50, one each in the Senior and Junior Divisions, for outstanding exhibits in agriculture, horticulture, plant science, or related fields.

Stockholm Junior Water Prize

Three certificates for the best projects related to water quality and water resource management.

Tier Environmental Services

Two \$50 awards to science fair competitors who best show interest in environmental stewardship and sustainability.

United States Air Force

Awards to Senior and Junior Division students for best exhibits in mathematics, science and engineering.

United States Metric Association

A certificate to the student whose project involves a significant amount of quantitative measurement and which best uses the SI metric system for these measurements.

Yale Science and Engineering Association

Certificate and Medallion to the most outstanding exhibit in Computer Science, Engineering, Physics, or Chemistry.

Albright College

Albright College is pleased to offer \$3,000 per-year renewable scholarships to the Champion, Grand Champion and Reserve Champion in the Reading-Berks Science and Engineering Fair.

These scholarships are offered to these persons if they decide to enroll at Albright College as incoming freshmen students and if they meet the following conditions:

1. The student is accepted for admission to Albright College under the college's regular admissions policies and procedures.
2. The student applies for financial aid according to the college's policies and procedures.
3. The student is determined to have financial need.
4. Renewal of the scholarship will be made each year for Albright attendance if the student meets all academic qualifications and if the student applies for financial aid according to the college's renewal procedures and again is determined to have financial need.

All persons eligible for these scholarships should contact Albright College for details about applying for admission and financial aid. We look forward to working with you to make an Albright education possible.

Special Thank You to Albright College

Albright College has been home to the Reading-Berks Science and Engineering fair for most, if not all, of our 65 year history. For one week in March, Albright provides the facilities at the Bollman Center and allows us to transform the building from a sports center to a science center. Albright College has been our strongest supporter and we owe the college many thanks.

Thank you, Albright College, Staff and Students.

Bob Novak
President – RBSEF, Inc.

2017 SPECIAL AWARDS' JUDGES

Alliance to Berks County Dental Society
Jenny Zahner
Barbara Ciabattoni
Debbie Auchter

American Association of University Women
Marganeto Fuoco

Apparatus Award
Dr. William Heffner

Assistive Technology Committee
Dr. Henry Ansell

Berks County Conservation District
Kevin Witmier
Jeff Overstreet

Berks County Dental Society
David Huber

Berks County Medical Society
Dr. Eve Kimbal

Berks Photographic Society
Frank Lorah

Brenntag Northeast, Inc.
Gary Moulder
Kaitlyn Pietruszewicz
Steve Clouser

Brentwood Industries
Jim Perlow
Dr. Shanshan Jin

Conrad Weiser Lions Club Award
Michael Gerhart

Element Environmental Solutions
Robert A. Pfromm

Entech Engineering
Bill McEwan

First Group Health Care, Ltd
Dr. Fern McMillen

Fraternal Order of Police, Lodge #9 of the City of
Reading
Lt. Kyle Rentschler
Sgt Keith Frantz
Off. Wilfredo Ramirez

Law Office of Hilary J. Jumner
Hilary J. Sumner

Microsemi Corporation
George Terefenko

Mohnton - Cumru Lions Club Award
Karl Hiester
Greg Przyjemski

Penn State Berks, Engineering and Technical
Programs
Dr. Ed Sauer
Kathleen Hauser

Project Excellence Award - Przyjemski Family
Greg and Cathy Przyjemski

Reading Area Community College
Dr. Kathy McCann Evans

Reading Health System

Scoboria Family
Dr. Preston Scoboria

Tier Environmental Services
Sharon Thomas

RBSEF Special Award Judges:
Dr. Jennifer Arnold
Tom Balliet
Joe Brendlen
Brian BuerkePeggy Condon-Vance
Bert Eardley
Michael Gerhart
Rose Gerhart
Greglynn Gibbs
Dr. William Heffner
Karl Hiester
Suhana Jagadesan
Dr. Thomas Krutsick
Karl Peterson
Lisa Peterson
Joanne Pumariega
Dr. Preston Scoboria
Mark Smith
Dr. Praveen Veerabhadrapa

CATEGORY EXHIBITS

	<u>CLASSIFICATION</u>	<u>CODE</u>
SENIOR DIVISION 9th - 12th Grades	Botany	BO
	Chemistry	CH
	Earth/Space Sciences	ES
	Engineering	EN
	Mathematics/Computers	MC
	Medicine/Health	MH
	Physics	PH
	Zoology	ZO
JUNIOR DIVISION 6th - 8th Grades	Natural Science	6N, 7N, 8N
	Physical Science	6P, 7P, 8P

CATEGORY EXHIBITS LISTED BY SCHOOL

Antietam Middle-Senior High School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Cass, Logan	Blood Splatter Analysis	7N341
Haas, Avery	Which Laundry Detergent Works the Best?	7N332
Heyward, India	Does Aspirin Help Plants Grow?	7P297
Johnson, Stefanie	Do Plants Like to Get Groovy?	7N340
Keene, Casey	How to Build a Simple Electric Motor	7P290
Morales-Kerchner,	Got "Evaporated" Milk	7P289
Reeves, Gianna	Moldy Mess	7N272
Riegel, Briana	Does Nail Polish Stop the Growth of Your Nail?	7P365
Rochlin, Abigail	How to Stop Hair Dye from Fading	7P343
Stoudt, Ryan	Does Aspirin Affect Plant Growth?	7N258
Swoyer, Declan	Testing Nanotechnology through Superhydrophobic Coatings	7P261
Vogt, Olivia	How Do Different Beverages Affect Your Teeth?	7P347
Woodford, Daniel	Does Wood or Bbcor Hit the Ball Farther	7N379

Berks Catholic High School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Albert, Joseph	Does Graphene Inhibit the Growth of Bacteria?	CH331
Balash, Colin	The Domino Effect	PH099
Blake, Riley	Trouble with the Curve	PH105
Botch, Veronica	How Does Height and Surface Affect Blood Spatter?	MC091
Davis, Kayla	Is Gum Good for Your Health?	MH336
Donato, Patrick	Insulation of Green Roofs	BO461

Berks Catholic High School Continued

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Fares, Adrian	The French Paradox: Exploring Health Claims of the Mediterranean Diet	MH104
Golembiewski,	Hummingbird Preferences between Homemade Nectar and Commercial Nectar	ZO092
Good, Hilary	Ipad vs. Paper	MH354
Hornickle, James	Effects of Antibiotics on G+ Vs. G- Bacteria	MH462
Iswalt, Kylee	What is the Affect of Cell Phone Radiation on the Growth of Wheat Sprouts?	BO295
Kenny, Michael	Finding Mathematical Relations in Nature	MC333
Kenny, Mikaela	How Does Personality Affect Preference of Choice?	MH334
Kinyo, Ethan	Does the Wicking Property of Fabrics Decline After Repeated Washes?	CH274
Konopelski, Jordan	Does Flower Preservative Potency Change the Vase Life of a Flower?	BO118
Lala, Sarah	Does The Presence of a Cell Phone Affect Reaction Time?	MC356
Logozzo, Francesca	How Different Fruit-Based Compost Solutions Affect the Growth of a Radish Plant	BO168
Mannepuli, Rahul	Solar Power	ES169
Miranda-Ganas,	What's in Your Soda?	CH291
Nguyen, Christian	Green Clean Diesel Vs Fossilized Remains	CH259
Nguyen, Thientrinh	Go Green! Algae Biodiesel Fuel: The Future of Energy	CH345
Nguyen, Baotram	Bacteria Hysteria: The Anti-Bacterial Activity of Ginger Extract	MH337
Parisi, RapHael	It's Not Easy Being Green	BO257
Pilliod, Henry	How Does the Sample Size of a Statistic Affect Its Accuracy?	MC372
Schreiber, Hope	How Does Recycled Water Affect Plant Growth?	BO339
Sichler, Adam	The Effect of Temperature on Resistance and Conductivity	PH098
Silver, Matthew	Flying the Distance	ES449
Slusser, Jasmine	How Hot Are You? The Accuracy of Thermometers	MH263
Stoney, Ethan	Statistics: It's in the Game	MC129
Vu, Kaylie	Bringing the Greenhouse Effect to Earth	CH348
Walker, Joseph	Taming the Tsunami	PH346
Wasielewski, Caroline	Which Drink Has the Most Electrolytes?	CH275
Wittmeyer, Harrison	Laser Light Refraction	PH460

Conrad Weiser HS

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Bright, Madison	Bioactive Glass Toxicity Analysis of Drosophila Uterine Cells	MH120
Brunner, Rosalie	Convection-Enhanced Delivery (Ced) Catheter Reflux-Reduction and Fluid Dynamics	EN036
Chibirka, Ellie	Bioactive Glass Infused Media Stimulates the Recovery of Johnston's Organ Cells	MH273
Ebling, Abagale	Increased Identification of Colorectal Lymph Nodes Using a Fat-Clearing Secondary	MH031
Gresoi, Joseph	New Paradigm for Diagnosis of Gluten Sensitivities in Canines and Humans	MH119
Gresoi, Nikolas	Antimicrobial Properties of Hop Acids against Gram-Negative and Gram-Positive Bacteria	MH463
Kaneria, Rini	Cell Proliferation and Histamine Release in the Presence of Chlroxyleneol and Bioactive	MH034
Kesselring, Rachel	Effects of Peppermint on the Smooth Muscle of Manduca Sexta	ZO112
McFadden, Connor	Alginate and Bioactive Glass Based Coating for Biodegradable Surgical Sutures	EN021
Meyers, Megan	3D Printing Method for Forensic Facial Reconstruction of Osseous Human Remains	EN035
O'Brien, Kelsey	Analysis of Tau-Protein in Drosophila after Traumatic Brain Injury	MH027
Pichler, Lacie	Sf9 Proliferation after Exposure to Bioactive Glass and Antibiotic Combination	ZO113
Rathman, Jillian	Thermal and Acoustic Resistant Insulation Utilizing Manufactured and Natural Byproducts	EN115
Reimenschneider,	Viability and Inflammatory Biomarkers of Drosophila Neural Cells in a Bioactive Glass	MH022
Sadowski, Emily	Quantitative Analysis of the Jolt Sensor; Concussion Detection in Real Time	MH037
Tomanelli, Nic	Analysis of the Energy Generation by Different Electrogenic Bacteria in Microbial Fuel	EN447
Torchia, Gabby	In Vitro 3D Microenvironment Mimicking Native Anterior Cruciate Ligament-Osseous	MH030
Valunas, Alexa	Expression Profile Evaluation of Hmb-45 Melanoma versus Normal Skin Samples	MH114

Conrad Weiser Middle School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Chelius, Luke	Time to Study	8N293
Christie, Mikaela	How Well Can an Average 11 Year Old Girl Hear Pitches of Different Frequencies?	6P415
Christie, Aidan	Plants in Different Mediums	8N414
Clabaugh, Colin	The Affects of Beverages on Egg Shells	6N429
Dalesandro, Anna	What is the Best Laundry Detergent?	6P446
Goudy, Teigan	How Much Does Sleep Affect School Performance?	8N408
Hahnlen, Clayton	How Do Video Games Affect Eyesight?	8P405
Harlow, Madison	How Music Affects Running	8N128
Haynes, Journee	The Search for the Ultimate Moisturizer	8P294
Hoffa, Alyson	Brain Capacity of Dogs: Which Breed Is the Fastest?	6N455
Horst, Isabel	Can Different Colors Affect Your Blood Pressure?	8P349
Houck, Emma	Does Petting an Animal Lower Your Blood Pressure?	6N292
Janus, Veronica	The Affects of UV Rays	8N296
Kauffman, James	Magnetic Holding Force	6N399
Knepper, Molly	Do Fruits Age Slower in Light or Dark Areas?	6N374
Knepper, Quinn	How Clean is Your School?	8N441
Kuennen, Renee	What Spray Stain Remover Takes Out Grape Juice Stains the Best?	6P456
Kuennen, Lauren	Chemical vs. Organic: The Ultimate Fertilizer Showdown	8N177
La, Kacey	The Toothpaste that Cleans!	8N396
Malone, Leah	How Does the pH of the Soil Affect the Growth of a Carrot Plant?	6N397
Malone, Olivia	If the Fat Source in a Cookie Changes, What Happens to the Consistency and Taste?	8P175
McFadden, Jocelyn	What Medium Do Peas Grow Best In?	6N454
Moylan, Madison	Exercise and Memory: The Connection	8P127
Nwankwo, Diamond	How Does Music Affect Exercise?	8P404
Nye, Abigail	Is Reading Easier off Screens or Paper?	8P176
Pedraza, Kayla	Active Memory	6N412
Preston, Lindsey	How Do Different Liquids Cause Gummy Bears to Change in Size?	6P378
Radcliffe, Victoria	Affects of Salt Water on Metals	8P029
Reeser, Emma	Do Colored Candles or White Candles Burn Faster?	6P402
Ressler, Samuel	Broadhead Penetration Test	6P395
Rice, Holden	What Variables Influence Acceleration?	6P234
Rivera, Tristan	Water vs. Soil	6N085
Sabold, Owen	Determining Which Brand of Golf Ball Has the Most Bounce	6P382
Sabold, Karly	Soccer Ball Science	8P344
Schiding, Tessa	Psychological Effects of Facial Symmetry	6N450
Seidel, Julia	Do Humans Remember Black and White or Colored Pictures Better?	6N097
Shannon, Paige	Does Protective Headgear Effect the Impact to an Athlete's Head?	6P457
Sileski, Jacob	Mayonnaise Dilution	8P173
Snyder, Brady	The Microwave Popcorn Experiment	6P012
Snyder, Alex	The H ₂ O pH Lab	6P013
Stein, Audra	What Kind of Sunscreen Protects the Best?	8P174
Sterner, Ashton	Does Chewing Gum Make You Smarter?	8P400
Tulli, Alex	What Brand of Garbage Bag Is the Most Durable?	6N445
Weachter, Madison	Does Music Effect Plant Growth?	8N126
Wiggins, Maritza	How Does Pressure Affect the Bounce-Ability of a Sports Ball?	6N381
Yonavick, Andrea	Dribbling Up Energy	6P380

Fleetwood Area Middle School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Scarano, Skylar	Comparing Fertilizers Growth Potential for Beans	7N019

Governor Mifflin Intermediate School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Blake, Jonas	Mushroom Marvel	6N373
Wert, Joshua	Apples: Helpful or Harmful?	6N464

Governor Mifflin Middle School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Kaufman, Justin	How Different Types of Light Bulbs Affect Plant Growth	8N443
Kelly, Griffin	Is It Possible to Spot a Cheater in Card Games?	8P407
Matthias, Jade	Vanadium Dioxide: What is it and Why is it Important?	7P401
Wert, Nathaniel	Magnets vs. Simple Circuit	8P342

Governor Mifflin Senior High School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Abdelkader, Mohamed	The Effect of Different Amounts of Fertilizer on the Growth of Radishes	BO320
Alcantara, Leilani	The Effect of Different Detergents on Plants	BO244
Austin, Karlyn	The Effects of Different Amounts of Caffeine on the Growth of Radish Plants	BO322
Bachman, Lindsey	The Effect of Fertilizer on Plant Growth	BO237
Bachman, Sean	The Effect of the Protein Content in Cheese on its Stretch Length	MH223
Barnett, Colin	The Effect of Cooler Styles on Internal Temperature	CH225
Beard, Delaney	The Effect of Exercise on Stereognosis	MH239
Bischler, Jessica	The Effect Sports Drinks Have on Athletes	MH307
Blandford, Raegan	The Effect of pH Levels in Drinking Water	CH318
Bohn, Brandon	The Effect of Temperature on the Growth of Bread Mold	MH253
Bortzel, Jennifer	The Effect of Salt on Water	CH251
Briggs, Elijah	The Effect of Nitrogen and Phosphorus on Tomato Plants	BO189
Brower, Olivia	The Effect of Chewing Gum on Concentration	MH240
Burns, Emily	The Effect of Exercise on the Heart Rate	MH235
Carrano, Madison	The Effect of Age on Muscle Balance	MH303
Ceballos, Maria	The Effect of Peppermint on the Human Brain During Test Taking	MH238
Cebular, Tyler	The Effect of Smell on Taste	MH224
Centeno, Jaedan	The Effect of Abiotic Materials on the Amount of Soil Erosion	ES310
Chandler, Meigin	The Effect of Different Light Colors on the Growth of Green Bean Plants	BO193
Clemens, Serenity	The Effect of Fertilizer on Radishes	BO184
Clipman, Noah	The Effect of Cleaning Conditions on Bacterial Growth	MH227
Conde, Yusuf	The Effect of an Acid on Neutralizing a Base.	CH180
Conner, Sidney	The Effect of Liquids Prevent Oxidation on Fruits and Vegetables.	CH191
Correas, Robert	The Effect of Music on the Heart Rate	MH192
Creely, Luke	The Effect of Aspirin Water on the Growth of Croton Plants	BO236
Danciu, Andrea	Effect of Microwave Radiations on Plants and Bacteria	BO306
DeFreece, Derek	The Effects of Microwave Radiation on Mushrooms	BO313
DeGezelle, Kailey	The Effect of Gum Chewing on Test Answer Speed	MH188
Donahower, Lydia	The Effect of Nitrogen Fertilizer on Plant Growth	BO232
Driesbach, Cameron	The Effect of Colors on Blood Pressure	MH252
Duran, Jeyda	The Effect of Acidity on Pennies	CH230

Governor Mifflin Senior High School Continued

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Fiore, Gina Maria	The Effect of The Golden Ratio on Perceived Attractiveness	MH271
Focht, Olivia	The Effect of Music on Blood Pressure	MH319
Fonte, Stefania	The Effect of Dance on Heart Rate	MH195
Fox, Dylan	The Effect of Caffeine on the Reaction Time	MH216
Garwood, Angelina	Effects of Smoking on an Athlete	ES458
Glass, Gabrielle	The Effect of a Person's Ability to Taste When their Smell is Compromised	MH182
Glass, Nicholas	The Effect of Weight on Nutritional Value of Fruits	MH233
Green-Roehm, Grace	The Effect of Music on an Athletes Abilities	MH130
Hadba, Gehan	The Effects of Facial Expression on the Human Mind	MH327
Harr, Conor	The Effect of Water Purification on Bacteria	MH264
Heckman, Olivia	The Effect of Fertilizers on Plants and its Environment	BO200
Holcomb, Megan	The Effect of Temperature on Blood Pressure	MH256
Johnson, Jada	The Effect of Oxidation on Apples	CH246
Johnston, Jacob	The Effect of Pollutants on Plant Survival	BO228
Jones, Jordan	The Effect of Different Light Sources on Hydroponic Growth	BO352
Keiper, Ryan	The Effect of Magnetism on Radish Growth	BO304
Kitsch, Gabriel	The Effects of Different Pasteurizations on Milk	MH254
Knappenberger, Taya	The Effect of Different Substances on Plants	BO308
Knies, Jacob	The Effect of Environment on Bread Mold	MH226
Kohler, Owen	The Effect of Microwave Radiation on Plant Growth	BO459
Kopchinski, Madison	The Effect of Colors and Lights	EN302
Kozo, Kelly	The Effect of Temperature on Golf Balls	PH185
Krumm, Seth	The Effects of Chewing Gum on Concentration and Accuracy	MH317
Kuczala, Andrew	The Effect of Different Fertilizers on the Productivity of Green Bean Plants	BO229
Lang, Sarah	The Effect of Cleaning Methods on the Growth Rate of Cellphone Bacteria	MH287
Leffler, Victoria	The Effect of Soil Composition on Gmo and Non-Gmo Soy Bean Growth	BO249
Lehman, Zachary	The Effect of Nutrient Based Fertilizer on Sunflower Growth.	BO179
Leinbach, Ashleigh	The Effect of Household Cleaners on Kitchen Counter Bacteria	MH217
Levine, Perry	The Effect of Generations on Science Processing Skills	MH247
Lo, Tswjhw	The Effect of the Leidenfrost Effect on Different Substances	PH311
Mansell, David	The Effect of Preserving Liquids on Strawberry Mold Growth	MH250
Maples, Austin	The Effect of Anti-Bacterial Spray on Bacteria	MH190
McCurley, Aiden	The Effect of Age on Reaction Time	MH196
McLaughlin, Sean	The Effect of Hydroponics on Plants	BO242
Melcher, Connar	The Effect of Temperature on Denaturing Proteins	CH194
Molfetta, Ryan	The Effect of Coconut Oil on Body Temperature	MH183
Osgood, Adam	The Effect of Fat Content in Vegetable Oil on Biodiesel Energy Release	CH241
Osiris, Ayasha	The Effect of Honey on Bacteria's Reproductive Rate	CH243
Owens, Cassy	The Effect of Additives on Plant Germination/Growth	BO312
Pakradooni, Henry	The Affect of Soil pH on Radish Growth	BO215
Payne, Sydney	The Effect of Bird Feeder Color on Bird Feeding Habits	ZO245
Peticca, Julia	The Effect of Latent Techniques on The Accuracy of Fingerprints	MH248
Politanoff, Klara	The Effect of Diet on pH Levels in Humans	MH222
Progansky, Paige	The Effect of Organic and Inorganic Fertilizer on Plant Growth and Weight	BO197
Quiles, Jaiden	The Effect of Your Heart Rate on Bench Pressing	MH221
Rettew, Ally	The Effect of Colors on Heart Rates	MH218
Richards, Olivia	The Effect of Water Purification on the Growth of Radishes	BO315
Romanski, Ahna	The Effect of Household Cleaners on Bacteria	CH255

Governor Mifflin Senior High School Continued

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Roth, Hannah	The Effect of Different Soils on Plant Growth	BO231
Siltzer, Justin	The Effect of Exercise on Humans	PH316
Simock, Reagan	The Effect of Plants in Amounts of Soil Erosion	ES309
Smith, David	The Effect of Geographical Location on the Contaminants of Drinking Water	BO321
Snyder, Madison	The Effect of Mint Gum on Speed and Accuracy on Cognitive Tasks	MH186
Stanislawczyk, Hannah	Miracle Gro vs. Homemade Potting Soil and Potting Soil	BO199
Steckiel, Emma	The Effects of Different Light Transparencies on Plant Growth	BO305
Super, Krystalyn	The Effect of Plant Food on Cilantro Growth	BO187
Tegan, Katelyn	The Effect of Breathing on the Heart Rate	MH198
VanPelt, Steven	The Effect of Visual Stimuli on Choice	MH201
Weiss, Dominick	The Effect of Tupperware on the Mold Growth of Strawberries	MH323
Wenrich, Olivia	The Effect of Oxidation in Determining Energy Content of Different Types of Fats	CH220
Wiest, Mason	The Effect of Various "Fertilizers" on Spinach	BO181
Wilson, Eilidh	The Effect of Microwave Radiation on Plants	BO314
Zillhardt, Emily	The Effect of Surfaces on the Ridge Count of Fingerprints	MH219

Holy Guardian Angels

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Brown, Kevin	The Strength of an Electromagnet	8P107
Davis, Haley	Which Household Chemical Best Preserves a Carved Pumpkin?	8N116
Dubbs, Mya	What Are Effects of Acids on Braces	7N122
Emrich, Russell	Does Baseball Bat Composition Affect Exit Velocity on a Batted Ball?	7P153
Harris, Julia	How Does the Height from Which Blood is Dropped Affect the Blood Spatter?	8P093
Jimenez, Angelene	The Single Fixed Pulley System	7P103
Kroenig, Lindsey	What Material Best Absorbs the Impact of a BB?	8P125
Leininger, Sarah	How Does the Aperture Size and Shutter Speed Affect the Quality of a Photograph?	8P108
Malinowski, Peyton	What Liquid Dish Detergent Will Reduce Bacteria?	7N094
Medina, Hannah	What Are the Effects of Soil Salinity on Plant Growth?	7N102
Merchancano, Ryan	How to Make Electricity without Energy	7P096
Mogford, Molly	Does Temperature Affect the Growth of Radish Plants?	7N151
Myers, Gia	Does the Temperature of a Magnet Affect Its Strength?	7P095
Myers, Anthony	Which Surfaces and Conditions Create the Least Frictional Force?	8P117
Piskorski, Thea	Which Popular Beverage Stains Teeth the Most?	8N106
Robertson, Samuel	Investigating the Death of an Orange: Heat Loss and the Surrounding Temperature	8P121
Sands, Aidan	Cheating in Baseball	7P109
Stricker, Peyton	How Does Soil Moisture Affect Plant Growth?	7N154
Trumbore, Elizabeth	How Does Music Affect Blood Pressure?	8N101
Walker, Andrew	Which Type of Wood Heats Water the Fastest in Five Minutes?	7P110
Zatorski, Emily	Decafe Vs Caffeinated Tea: Which Stains Teeth More?	7N123
Zavala, Alexander	Cell Phone Radiation	8P100

Home School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Wert, Jack	Natural Water Filtration: Which Soil Stratum Works Best	8N028

Immaculate Conception Academy

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Adams, Rebecca	Does It Really Wash Out?	6P428
Arbuckle, Nicholas	How Does Heart Rate Change With Exercise?	7N417
Arbuckle, Christian	How Much Energy Does It Take to Dribble A Ball?	8P435
Battistelli, John	Fingerprints- Genetic or Generic?	7N420
Dinnocenti, Nadine	Where the Truth Lies?	7N421
Femino, Gabriella	Which Sunscreen Is the Most Effective?	7P425
Ferrante, Jennifer	Feeling Better Yet?	8P438
Fontana, Gabriella	Exercising With High Blood Pressure	7N418
Forkin, Sarah	Find Me	8N433
Givens, Tyler	Mints- Cooling or Just A Sensation?	7P424
Goodrich, Peyton	A Dyeing Sensation	8P434
Gray, Will	Is It Getting Hot in Here?	8P436
Herb, Caraline	Rotten Bananas to the Extreme	6N451
Herb, Janssen	Wood it Burn?	7P452
Irey, Drew	Written in the Stars	8N431
Knipe, Sabrina	Dental Destruction	7N419
Kurtas, Andrew	Ecosystems	6N427
Kurtas, Gabriella	Aquaponics	8N432
Reilly, Sean	Blood Splatter	7P422
Schlegel, Anna	Does Temperature Effect Battery Life?	7P423
Tepper, Steven	In Water We Rust	8P439
Wolf, Sidney	Color Challenge	8N437
Yerger, Lauren	Does Your Nose Know?	6N426

LaSalle Academy

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Avadanian, Paul	Spice Up Your Life	7N277
Avadanian, Jillian	How Sweet it Is!	7N278
Boyd, Sydney	The Associative Memory of a Horse	6N324
Burkey, Michaela	Which Mouth is the Dirtiest?	6N285
Cannon, Madison	Bubble Blast! The Best Blends for Lava Lamp Bubbles	6P326
Coccia, Gina	Shirt in Dirt	8P359
Frisina, Mariella	How Clean Is Clean?	8N360
Galvin, Jude	Keepin' It Fresh	7P351
Giesen, JosephH	Does 2+2=5?	8N361
Good, Lauren	Are They Selling Cellulose?	8N362
Hagan, Paige	Welcome to Cookie Town	6P367
Hatcher, Megan	Avoiding A Cookie Catastrophe	7P279
Henefer, Mary	What Drinks Stain Your Teeth?	6N366
Horn, Jonathan	Hands Off	7N281
Horn, Garrett	Off the Rails	7P283
Hyneman, Lucas	Adrenaline Rush	8N363
Kasting, Pierce	Go With the Flow	7P284
Kirwan, Elise	Spf is it All Just a Cover-up?	6N286
McMillan, Ryan	What Type of Insulation Holds in Heat the Best?	6P370
Olinger, Gianna	Does the Salinity of Water Affect Oxidation Rate?	6P353
Reali, Isabella	How Can Color Influence Recall?	6N325
Rosselli, Drew	Reality Behind the Five Second Rule	6N368

LaSalle Academy Continued

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Schuetz, Michael	Laser Refraction	8P355
Silver, Robert	Will it Freeze?	7P280
Stahovich, Joshua	Fact or Friction	8P358
Vance, Megan	Invisible Strength	8P357
Witmer, Alexander	Battery Power	6P369
Zablit, Christelle	Does Age Affect Memory?	8N364

Muhlenberg Middle School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Christman, Morgan	Don'T Let the Sun Go Down on Me	7N338
Haas, Dawson	Tesla Coil Power	7P394
Heim, Eric	Tuba Bacteria: Before and After Disinfection	MH383
Hepner, Aubrey	Colorful Crystals	8N171
LaFaver, Drue	Living Green! Are you're Products Really Ecofriendly and Biodegradable?	8N276
Oruganty, SriGouri	Waste Energy	7N376
Torres, Victoria	Rock Files	8N170

Oley Valley High School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Elias, Morgan	The Rate of Neutralization of Antacids	CH214
Foreman, Bailey	How Does Acid Rain Affect the Growth of Algae?	ES205
Hartz, Nicholas	How Drinks Affect the pH of Sweat?	CH203
Hoffman, Danny	How Does Angle of Incidence and Intensity of the Sun Affect a Solar Panel's Efficiency?	ES262
Jocsak, Brendan	Vitamin C Deterioration in Oranges	CH207
Lackey, Shannon	The Effects of Acids on Limestone	CH209
Langdon, Bradlee	The Ability of Materials to Filter Water	CH211
Mader, June	Effect of Temperature on Bromelain	CH213
Miller, Jenna	How Vegetables Affect Colors of Organic Dyes	CH210
Miller, Kelsie	The Enthalpy of Neutralization of Phosphoric Acid	CH212
Patches, Miranda	Does Conductivity Change in Different Types of Salt?	CH330
Pierdomenico, John	How Different Levels of Saltwater Affect Preservation	CH204
Rubino, Alex	Heat in Exothermic & Endothermic Reactions	CH206
Wagner, Joseph	The Effect of Electricity on the pH of a Salt Solution	CH208

Oley Valley Middle School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Angelisanti, Abigail	Music of the Heart	7N088
Fleck, Jonathan	How Does the Addition of Ethanol in Gasoline Impact the Environment?	8P440
Hetrick, Sarah	How Does Resistance Effect the Distance a Golf Ball Travels?	8P020
Jackson, William	Will Facetime, Google Hangouts, or Skype Have Less Audio Breaks?	8P082
Jost, Jonathan	Surface Impact	6N260
Kaintz, Rachel	Does Fertilizer Have an Affect on Algae Growth?	6N086
Kauffman, Kristina	Ice Cream Personalities	7P087
Prout, Grace	What Age Group Reacts the Quickest With Doing the Stroop Test?	8N371
Rothermel, Laila	Pop Pop Pop	6P083
Small, Myrra	Does Voltage Affect the Strength of an Electromagnet?	8P081
Wagner, Bryan	What Type of Romaine Lettuce Grows the Tallest in Aquaponics?	8N410

Sacred Heart School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Anewalt, Lucia	Chicken Tests	7N386
Battista, Paul	Flushable Wipes: Modern Convenience or Ecological Disaster	8N392
Chi, Michelle	How Does Color Affect Memory?	8N390
DePue, Chet	How Clean Are Fast Food Restaurants?	8N389
Duddy, Isabella	What is the Best Water to Grow Plants?	8N391
Emkey, Ashlee	How Easily Do You Get Scared?	7N384
Esterbrook, Elizabeth	Does Music Affect Concentration?	7N387
Mintzer, Haden	Mind Games	7N388
Naso, Cole	Glow Up - A Luminol Investigation	8N393
Seda, Jaden	Preserving Food	7N385

Saint Catharine of Siena School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Amev, Kylie	Will It Float Your Boat?	7P001
Atkins, Abigail	"Orange" You Getting Enough Vitamin C?	8P032
Beaver, Jennifer	Made You Jump!	6N089
Borden, Kilee	Did Someone Say Confetti?	7P002
Boyle, Emma	The Nose Knows	7P003
Chan, Joyce	How Arm Length and Counterweight Mass Affect Trebuchet Projectile Distance	7P009
Daleuse, John	Moldy Bread	7N080
Donato, Grace	Caffeine Effects on Reaction Time and Memory	7N010
Esposito, Emanuela	Skittle Color Dissolving	7P004
Feeney, Meredith	Fifty Shades of Hair	8P050
Fernandez, Elizabeth	Chemical Reactions and Food Ingredients that Cause Them	7P005
Filippello, Alexandria	Melt the Ice- Finding out Which Resource Causes Ice to Melt the Fastest	7P006
Formando, Luca	How to Make a Solar Oven	7P007
Franey, Abigail	From Trash to Gas	8P047
Fries, Eliza	Does Splatter Matter? The Forensics of Crime Scene Investigation	8P052
Giering, Lily	Giant Vs Target Vs Render's Plastic Bags-Which Can Hold the Most Weight?	7P008
Gilbert, Lauren	Bacteria Levels in Water	7N011
Griffin, Madeline	Stimulus and Response - The Response Times of Men and Women	7N015
Helstrom, Mollie	What Effects Do Different Solvents Have on Bones	7P014
Impellizzeri, Paul	Relationship between the Pull-Back Angle of a Kickers Leg and Distance	7P016
Keperling, Hailey	Genetic Touch	7N017
Lundstrom, Megan	Contaminated Waters	7P018
McElderry, Grace	Feed Me	7N039
Millman, Jacob	What Type of Bottled Water Causes Cancer?	7P038
Nguyen, Anthony	Fantastic Elastic	7P040
Nguyen, Vivian	The Windy City	8P049
Partsch, MacKenzie	The Engineering of Fibers in the Textile Industry	8P033
Penaloza, Fernando	Mummy Making - Which Desiccant Makes the Best Mummified Apple?	7P416
Reinhart, Aron	Pass or Fail Your Local Drinking Water	7P041
Roman, Michelle	Who Dunit? Testing the Reliability of Your Memory	8N051
Sheriff, Chernor	Lit Candles	7P042
Smith, Rowan	Can You Hear Me Now?	6P090
Stratton, Molly	Now You See It, Now You Don't	7P044
Truong, Brittany	Which Marker Fades the Fastest?	7P043
Vagnoni, Katherine	Get the Scoop	6P124

Saint Catharine of Siena School Continued

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Valentin, Coralis	Are Fingerprint Patterns Inherited?	7N045
Wright, Mia	Conservation of Mass - Jean Paget's Conservation Task	7N046

Saint Ignatius Loyola School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Allen, Bridget	Does Clothing Impact Behavior?	8P137
Bernardo, Juliana	Natural vs. Pharmaceutical Antibiotics	8N139
Birmingham, Kyra	Does Your Name Affect Your Personality?	8P160
Bortz, Austin	Can the Marble Loop-The-Loop?	8P132
Brubaker, Daniel	Trapping Solar Heat	7N146
Buerke, Katherine	Does Fluid Level in a Glass Affect the Pitch Produced?	7P329
Draper, Amira	Is Smiling Contagious?	7P149
Fuchs, Kailey	Will it Mold?	8N131
Genetti, Megan	What Do You See?	8N138
Gordos, Mackenzie	What Cookie Sheet Does Not Burn the Cookies?	7P266
Gramley, Matthew	Power of Magnetism	7P265
Gundersen, Connor	Which Type of Cutting Board Reduces Bacteria Growth?	8N155
Hand, Ella	Which Method Best Delays Molding on Strawberries?	8N166
Helms, Colleen	Do Dogs Have a Dominant Paw?	7N145
Herbein, Alexa	Electrolyte Challenge	8P140
Herman, Michael	Does Music Improve Performance While Exercising?	8N161
Horace, Abigail	What Kind of Water is Best for Watering Plants?	7N268
Hornickle, Grace	Determining Spf Effectiveness	7N269
Kailey, Sylmira	Does Shape Effect Drag?	8P157
LaFata, Karina	How Does Soil Affect the pH of Water?	8N158
Lawrence, Grace	Do Earthworms Help Plants Grow?	7N147
Levan, Leah	The Skinny on Moisturizers: Which Works Best to Keep Skin Moist?	7N141
Loose, JosephH	How Long Does it Take to Hack a Password?	8P164
Mirabella, Annaka	Melting Ice	7P270
Moore, Dalton	Does The Angle of a Solar Panel Affect the Output of Energy?	7N453
Mott, Alyssa	Can You See It?	8N136
Nguyen, Kathy	Are Darker Greens Higher in Vitamin C Content than Lighter Greens?	8N165
Painton, Sarah	How Well Do Different Materials Create Static Electricity?	8P167
Palm-Rittle, Chloe	Tooth Decay: How Does it Work?	7N267
Pena Pardo, Tatyana	Candy Chromatography: What Makes Those Colors?	7P142
Pickard, Kierra	Can Fruits Light Up Our Life?	7P143
Plaggenborg, Peter	Can Senior Citizens Open Childproof Containers?	8P133
Reali, Paige	Will Fruit or Mint Mentos Cause the Largest Diet Coke Geyser?	8P163
Reedy, Caroline	Black Swallowtail Butterfly Life Cycle	7N148
Schade, Caleb	How Long Does it Take for Pills to Dissolve in Vinegar?	8P156
Schlouch, Bella	Tick Tock	8P159
Schreffler, Penelope	Classical Music and Cognitive Testing	8P162
Stelluti, James	Which Type of Bridge Can Hold the Most Weight?	8P135
Thomas, Shawna	Sugar Content of Bananas	8N134
Vasquez, Yeny	How Much is Stored in Different Foods?	8N172
Viveiros, Katy	Is Black Ink Really Black?	7P144
Watson, Jonah	Supercooling Water and Snap Freezing	7P150
Weiss, Alivea	Do Preferences Bias Our Choices?	7N152

Saint Peter School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Alejo, Perla	Orange Juice Acidity	8N079
Baez, Jadilyz	The Affects of Fertilizer on Plants	8N025
Chonta, Jackelyn	Relationship between the Distance and Time of a Falling Object	8P026
Rosas, Stefany	What Liquids Best Germinate Seeds?	8N023
Torres, Ashley	Bacteria in the Classroom	8N024

The King's Academy

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Chen, Yuxian	Curdle Hurdle	CH054
Gagnon, Travis	Whirling Water Wheels	PH055
Griesemer, Abigail	What a Drag: Swim Attire Impacts Speed?	6P298
Holt, Ellie	Pause for Paws	6P299
Houser, Jillian	Ripening Madness: A Study of the Effect of Ethylene on Ripening	8P059
Hu, Yihan	How Do Things Fly?	PH056
Jiang, Jessie	Finding Fat: Fat Extraction with Water, Ethanol, and Acetone	CH064
Kiebach, Michael	Lima Beans! A Study of the Effect of Tums and Aspirin on Bean Growth	8N060
Kulp, Noah	Wind Turbines: The Energy Source of the Future	PH065
Lee, Gia	The Drop Velocity of Different Shaped Parachutes	PH066
McKim, Paige	Dueling Detergents	6P300
Neiswender, Jacob	Sticky Hair	6P301
Olugbodi,	A Study of the Protective Effects of Antioxidants Over Free Radicals	MH067
Petrosky, Mariah	Filament Fun: The Relationship between Burn Time and Length	8P058
Rowles, Mark	Will You Bank It? A Study of Shot Angle and Impact Position to Successful Baskets	MC061
Schnatz, Rebekah	A Soft Touch: a Study of Sensitivity Threshold	8P057
Tran, Kiet	Triple "R" -Remarkable Reaction Rate	CH053
Tran, Peter	Pumping Iron: A Comparison of Iron Content in Organic and Regularly Grown Spinach	CH062
Westenhoefer, Evan	Melting Ice	6P335
Zhao, Yuyang	Transpiration of Plants: A Study of Environmental Conditions	BO063

Tulpehocken Junior - Senior High

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Ahner, Ava	Does Bread with Preservatives or Bread Without Preservatives Stay Fresh the Longest?	CH075
Beck, Kyleigh	What Time of Night is Best for Stargazing?	ES078
Bobo, Alex	Effects of Pollutants on Hydroelectricity	EN073
Boyer, Jordan	What Are the Differences in Acceptance of Interracial Couples?	MH069
Cox, Stephan	Does Rinsing Teeth with Water After Drinking Soda Prevent Enamel Loss?	MH178
Hardick, Clara	What Filter Media Will Best Filter Pond Water?	8N282
Hulse, Abigail	Effect of Medium pH Level on Crop Growth	8N084
Jonas, Natalie	Does the Gender of a Criminal Affect the Accuracy of Eyewitness Accounts?	MH072
Luckenbill, Courtney	How Different Types of Flour Affect Cupcakes	CH070
PHilippe, Jenna	How Does Water Solutions Affect the Growth and Development of Plants?	BO074
Shepley, Trinity	Carrot Cores Continuing to Grow	BO077
Travis, Katherine	Similarities of Fingerprints of Identical Twins	CH076
Van Tiggelen, Alan	Chemicals that Make a Beat	CH071

Wilson High School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Nayak, Krishna	Analyzing Blood Splatters Using Physics and Trigonometric Functions	PH444

Wilson West Middle School

<u>Student</u>	<u>Title</u>	<u>Exhibit #</u>
Bell, Ben	Sweetener Experiment	6N448
Bhusari, Sanchita	Does the Voltage of a Battery Effect the Rate of Hydrogen Production?	8P411
Hinkle, Claire	Producing Food in Hostile Environments	6N398
Hopp, Brendan	Bouncing Basketballs: How Much Energy Does Dribbling Take?	6N442
Krock, Faith	Soil-Free Plant Growth	7N406
Melograna, Aidan	The Effect of Corked Bats On Hitting Distance	6P413
Patel, Veraj	Determining the Optimal Crutch Position for the Most Efficient Movement	8P403
Shah, Amaya	Danger in the Water?	8N375

Category Award Judges

Dr. Sharon Allen	Reading Area Community College
Ms. Racheal Ahimbisibwe	Albright College
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Mr. Dennis Baver	Systems Design Engineering
Mr. Kevin Bell	DepuySynthes -J&J
Mr. Tyler Bernardyn	Drexel Grad Student
Mr. Brian Boyer	Boyer Engineering LLC
Dr. Richard Campbell	Quadrant EPP
Mrs. Peggy Condon-Vance	PDV Associates.& Penn State
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Ms. Eileen DeWald	The Fountain Group
Ms. Deborah Dietrich	Berks County Cooperative ExtESion
Mr. Bradford Dulmaine	Carpenter Technology, Retired
Dr. Bertrand Eardly	Penn State Berks
Ms. Jeanne Escott	Muhlenburg (Retired)
Mr. Andrew Fetterman	Liberty Environmental Inc.
Mr. J. Scott Franzen	DennZen Tech
Mr. Thomas Gavigan	Penn State University
Ms Mimi Gavigan	BCIU (Retired)
Mr. Mark Hannay	Carpenter Technology
Mr. Nick Hemmerich	
Dr. Joshua Hoyt	Berks County Interimate Unit
Dr. Jong-Dii Jiang	Microsemi
Dr. Shelley Kauffman	Albright College
Mr. Ronald Keating	PSPE
Mr. Joseph Kijak	Keystone Spikes Corporation

Category Award Judges Continued

Dr. C. Eve Kimball	All About Children Pediatric Partners
Ms. Robin Kramer	Teleflex Medical, Inc.
Mr. Howard Kuritzky	Consultant Retired
Dr. Jerry Levkoff	Broadcom Limited
Mr. Michael Marcellus	WorleyParsons
Mr. James McCarthy	McCarthy Engineering
Dr. Roger Minear	AT&T Bell Laboratories, Retired
Mr. Gary Moulder	Brenntag Northeast
Mr. Eric Mountz	Traffic Planning and Design, Inc.
Mr. Jesse Murphy	East Penn Manufacturing
Mr. Jeff Overstreet	Berks County Conservation District
Dr. John J. Peterson	GlaxoSmithKline Pharmaceuticals
Mr. Robert Pfromm	Element Environmental Solutions
Ms. Erin Reagan	U of P, PhD Candidate
Mr. Mark Reichardt	Carpenter Technology, Corp
Ms. Tracy Monegan Rice	Terraqueous Management & Res Grp
Mr. Chris Rickert	WorleyParsons
Dr. John A. Rochowicz, Jr.	Alvernia University
Mr. Jeff Shearer	Silicon Cert, Ltd.
Mr. Brian Shields	Berks County Conservation District
Ms. Audrey Smeltzer-Schwab	Muhlenburg High School
Ms. Yonie Tamayo	WorleyParsons
Mr. George Terefenko	Microsemi Corp.
Dr. Hartono Tjoe	Penn State University
Dr. Jason Tomes	Berks Veterinary Ultrasound
Mr. Fred Usbeck	Merck & Co., Inc.
Mr. William Vanzino	Proto-Cast LLC
Mr. James Vath	C.B.S. Consulting (Retired)
Mr. John Walker	Kempton New Church School
Ms. Elsa Wertz	Conrad Weiser SD (Retired)
Mr. Paul Wirkus	Retired Science Teacher
Ms. Chreryl Wozniak	B. Braun Medical
Dr. Stam Zervanos	Penn State University, retired

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Secretary - Anna Heffner
Treasurer – Frank Lorah
Fair Director – Linda Rentschler
Assistant Fair Director - D. Michael Barnett, D.V.M.
Assistant Secretary – Terry Trumbauer

RBSEF COMMITTEES

AWARDS

Joyce Hiester - Penn State, Berks Campus - Co-Chairperson
Gregory Przyjemski, Talen Energy – Co-Chairperson
Anna Heffner - Brenntag Northeast
Mary Elizabeth Short – Oley Valley High School

CALLIGRAPHY

Eve Pardo

DISPLAY

Robert Novak - Carpenter Technology
Robin Hewston – The Kings Academy

EXHIBITS

Terry Trumbauer - Co-Chairperson
Robert Novak - Carpenter Technology - Co-Chairperson
Michael Gerhart - Wilson Central Junior High - Retired
Jonathan Gerhart – East Coast Recovery
Rose Gerhart - Conrad Weiser High School - Retired
Anna Heffner - Brenntag Northeast
Carol Semanchick - Reading Senior High School
Rich Buchanan - Carpenter Technology - Retired

FINANCE

Michael Gerhart – Wilson Central Junior High - Retired
Robert Novak - Carpenter Technology

JUDGING

Marshall Azrael, PE - Co-Chairperson
Jim Harrison – Manager Applications Consulting, Retired – Co-Chairperson
Joyce Hiester - Penn State University
Robert Novak - Carpenter Technology
Mary Elizabeth Short – Oley Valley High School
George Terefenko - Legerity, Inc.
Deanna Witzel - ASME

PROGRAM

Robert Novak - Carpenter Technology – Chairperson
Robin Hewston – The Kings Academy

SCIENTIFIC REVIEW BOARD

D. Michael Barnett, D.V.M. – Regional Director VCA Animal Hospitals - Chairman
Maryann Buchanan – Berks Catholic High School – Biology Teacher
Raymond J. Hubbard, M.D. - Reading Pediatrics
Vincent J. Morello, PH.D - Berks Psychological Services Center

SPONSORING TEACHERS

Antietam Middle-Senior High School

Thomas, Ginger

Berks Catholic High School

Hannahoe, Debra

Heckman, Sheri

Conrad Weiser HS

Schade, Adelle

Siefert, John

Conrad Weiser Middle School

Kissling, Phleane

Snyder, Kelly

Fleetwood Area Middle School

Short, Mary Elizabeth

Governor Mifflin Intermediate School

Reber, Johanna

Governor Mifflin Middle School

Jopp, Daniel

Reber, Krysta

Governor Mifflin Senior High School

Carrier, Meredith

Panagacos, Nancy

Holy Guardian Angels

Morris, Bellina

Immaculate Conception Academy

Reber, Tricia

LaSalle Academy

Woodland, Robert

Muhlenberg Middle School

Gilbert, Dana

Minich, Audrey

Searfoss, Jullien

Oley Valley High School

Short, Mary Elizabeth

Oley Valley Middle School

Jagielski, Heather

Krug, Cheryl

Roman, Dawn

Short, Mary Elizabeth

Sacred Heart School

Parisi, Danelle

Saint Catharine of Siena School

Lavanga, Kathy

Saint Ignatius Loyola School

Berry, Kelly

Saint Peter School

Hawk, Wayne

St. Catherine of Siena

Sister Susan Born

The King's Academy

Hewston, Robin

Slabinski, Anthony

Tulpehocken Junior - Senior High School

Weidenheimer, Susan

Williams, Christine

Wilson High School

Melograna, Joe

Wilson Southern Middle School

Hartman, Beth

Wilson West Middle School

Fick, Tim

Melograna, Joe

Rhoades, Steve

Science Fair Participants by Project

Junior Division

6th Grade Natural Science

Number	Student Name	School
6N085	Tristan Rivera	Conrad Weiser Middle School
6N086	Rachel Kaintz	Oley Valley Middle School
6N089	Jennifer Beaver	Saint Catharine of Siena School
6N097	Julia Seidel	Conrad Weiser Middle School
6N260	Jonathan Jost	Oley Valley Middle School
6N285	Michaela Burkey	LaSalle Academy
6N286	Elise Kirwan	LaSalle Academy
6N292	Emma Houck	Conrad Weiser Middle School
6N324	Sydney Boyd	LaSalle Academy
6N325	Isabella Reali	LaSalle Academy
6N350	Gianna Olinger	LaSalle Academy
6N366	Mary Henefer	LaSalle Academy
6N368	Drew Rosselli	LaSalle Academy
6N373	Jonas Blake	Governor Mifflin Intermediate School
6N374	Molly Knepper	Conrad Weiser Middle School
6N381	Maritza Wiggins	Conrad Weiser Middle School
6N397	Leah Malone	Conrad Weiser Middle School
6N398	Claire Hinkle	Wilson West Middle School
6N399	James Kauffman	Conrad Weiser Middle School
6N412	Kayla Pedraza	Conrad Weiser Middle School
6N426	Lauren Yerger	Immaculate Conception Academy
6N427	Andrew Kurtas	Immaculate Conception Academy
6N429	Colin Clabaugh	Conrad Weiser Middle School
6N442	Brendan Hopp	Wilson West Middle School
6N445	Alex Tulli	Conrad Weiser Middle School
6N448	Ben Bell	Wilson West Middle School
6N450	Tessa Schiding	Conrad Weiser Middle School
6N451	Caraline Herb	Immaculate Conception Academy
6N454	Jocelyn McFadden	Conrad Weiser Middle School
6N455	Alyson Hoffa	Conrad Weiser Middle School
6N464	Joshua Wert	Governor Mifflin Intermediate School

6th Grade Physical Science

Number	Student Name	School
6P012	Brady Snyder	Conrad Weiser Middle School
6P013	Alex Snyder	Conrad Weiser Middle School
6P083	Laila Rothermel	Oley Valley Middle School
6P090	Rowan Smith	Saint Catharine of Siena School
6P124	Katherine Vagnoni	Saint Catharine of Siena School
6P234	Holden Rice	Conrad Weiser Middle School
6P298	Abigail Griesemer	The King's Academy

6th Grade Physical Science Continued

Number	Student Name	School
6P299	Ellie Holt	The King's Academy
6P300	Paige McKim	The King's Academy
6P301	Jacob Neiswender	The King's Academy
6P326	Madison Cannon	LaSalle Academy
6P335	Evan Westenhoefer	The King's Academy
6P353	Gianna Olinger	LaSalle Academy
6P367	Paige Hagan	LaSalle Academy
6P369	Alexander Witmer	LaSalle Academy
6P370	Ryan McMillan	LaSalle Academy
6P378	Lindsey Preston	Conrad Weiser Middle School
6P380	Andrea Yonavick	Conrad Weiser Middle School
6P382	Owen Sabold	Conrad Weiser Middle School
6P395	Samuel Ressler	Conrad Weiser Middle School
6P402	Emma Reeser	Conrad Weiser Middle School
6P413	Aidan Melograna	Wilson West Middle School
6P415	Mikaela Christie	Conrad Weiser Middle School
6P428	Rebecca Adams	Immaculate Conception Academy
6P446	Anna Dalesandro	Conrad Weiser Middle School
6P456	Renee Kuennen	Conrad Weiser Middle School
6P457	Paige Shannon	Conrad Weiser Middle School

7th Grade Natural Science

Number	Student Name	School
7N010	Grace Donato	Saint Catharine of Siena School
7N011	Lauren Gilbert	Saint Catharine of Siena School
7N015	Madeline Griffin	Saint Catharine of Siena School
7N017	Hailey Keperling	Saint Catharine of Siena School
7N019	Skylar Scarano	Fleetwood Area Middle School
7N039	Grace McElderry	Saint Catharine of Siena School
7N045	Coralis Valentin	Saint Catharine of Siena School
7N046	Mia Wright	Saint Catharine of Siena School
7N080	John Daleuse	Saint Catharine of Siena School
7N088	Abigail Angelisanti	Oley Valley Middle School
7N094	Peyton Malinowski	Holy Guardian Angels
7N102	Hannah Medina	Holy Guardian Angels
7N122	Mya Dubbs	Holy Guardian Angels
7N123	Emily Zatorski	Holy Guardian Angels
7N141	Leah Levan	Saint Ignatius Loyola School
7N145	Colleen Helms	Saint Ignatius Loyola School
7N146	Daniel Brubaker	Saint Ignatius Loyola School
7N147	Grace Lawrence	Saint Ignatius Loyola School
7N148	Caroline Reedy	Saint Ignatius Loyola School
7N151	Molly Mogford	Holy Guardian Angels
7N152	Alivea Weiss	Saint Ignatius Loyola School
7N154	Peyton Stricker	Holy Guardian Angels
7N258	Ryan Stoudt	Antietam Middle-Senior High School
7N267	Chloe Palm-Rittle	Saint Ignatius Loyola School
7N268	Abigail Horace	Saint Ignatius Loyola School
7N269	Grace Hornickle	Saint Ignatius Loyola School

7th Grade Natural Science Continued

Number	Student Name	School
7N272	Gianna Reeves	Antietam Middle-Senior High School
7N277	Paul Avadanian	LaSalle Academy
7N278	Jillian Avadanian	LaSalle Academy
7N281	Jonathan Horn	LaSalle Academy
7N332	Avery Haas	Antietam Middle-Senior High School
7N338	Morgan Christman	Muhlenberg Middle School
7N340	Stefanie Johnson	Antietam Middle-Senior High School
7N341	Logan Cass	Antietam Middle-Senior High School
7N376	SriGouri Oruganty	Muhlenberg Middle School
7N379	Daniel Woodford	Antietam Middle-Senior High School
7N384	Ashlee Emkey	Sacred Heart School
7N385	Jaden Seda	Sacred Heart School
7N386	Lucia Anewalt	Sacred Heart School
7N387	Elizabeth Esterbrook	Sacred Heart School
7N388	Haden Mintzer	Sacred Heart School
7N406	Faith Krock	Wilson West Middle School
7N417	Nicholas Arbuckle	Immaculate Conception Academy
7N418	Gabriella Fontana	Immaculate Conception Academy
7N419	Sabrina Knipe	Immaculate Conception Academy
7N420	John Battistelli	Immaculate Conception Academy
7N421	Nadine Dinnocenti	Immaculate Conception Academy
7N453	Dalton Moore	Saint Ignatius Loyola School

7th Grade Physical Science

Number	Student Name	School
7P001	Kylie Amey	Saint Catharine of Siena School
7P002	Kilee Borden	Saint Catharine of Siena School
7P003	Emma Boyle	Saint Catharine of Siena School
7P004	Emanuela Esposito	Saint Catharine of Siena School
7P005	Elizabeth Fernandez	Saint Catharine of Siena School
7P006	Alexandria Filippello	Saint Catharine of Siena School
7P007	Luca Formando	Saint Catharine of Siena School
7P008	Lily Giering	Saint Catharine of Siena School
7P009	Joyce Chan	Saint Catharine of Siena School
7P014	Mollie Helstrom	Saint Catharine of Siena School
7P016	Paul Impellizzeri	Saint Catharine of Siena School
7P018	Megan Lundstrom	Saint Catharine of Siena School
7P038	Jacob Millman	Saint Catharine of Siena School
7P040	Anthony Nguyen	Saint Catharine of Siena School
7P041	Aron Reinhart	Saint Catharine of Siena School
7P042	Chernor Sheriff	Saint Catharine of Siena School
7P043	Brittany Truong	Saint Catharine of Siena School
7P044	Molly Stratton	Saint Catharine of Siena School
7P087	Kristina Kauffman	Oley Valley Middle School
7P095	Gia Myers	Holy Guardian Angels
7P096	Ryan Merchancano	Holy Guardian Angels
7P103	Angelene Jimenez	Holy Guardian Angels
7P109	Aidan Sands	Holy Guardian Angels

7th Grade Physical Science Continued

Number	Student Name	School
7P110	Andrew Walker	Holy Guardian Angels
7P142	Tatyana Pena Pardo	Saint Ignatius Loyola School
7P143	Kierra Pickard	Saint Ignatius Loyola School
7P144	Katy Viveiros	Saint Ignatius Loyola School
7P149	Amira Draper	Saint Ignatius Loyola School
7P150	Jonah Watson	Saint Ignatius Loyola School
7P153	Russell Emrich	Holy Guardian Angels
7P261	Declan Swoyer	Antietam Middle-Senior High School
7P265	Matthew Gramley	Saint Ignatius Loyola School
7P266	Mackenzie Gordos	Saint Ignatius Loyola School
7P270	Annaka Mirabella	Saint Ignatius Loyola School
7P279	Megan Hatcher	LaSalle Academy
7P280	Robert Silver	LaSalle Academy
7P283	Garrett Horn	LaSalle Academy
7P284	Pierce Kasting	LaSalle Academy
7P289	Drea Morales-Kerchner	Antietam Middle-Senior High School
7P290	Casey Keene	Antietam Middle-Senior High School
7P297	India Heyward	Antietam Middle-Senior High School
7P329	Katherine Buerke	Saint Ignatius Loyola School
7P343	Abigail Rochlin	Antietam Middle-Senior High School
7P347	Olivia Vogt	Antietam Middle-Senior High School
7P351	Jude Galvin	LaSalle Academy
7P365	Briana Riegel	Antietam Middle-Senior High School
7P394	Dawson Haas	Muhlenberg Middle School
7P401	Jade Matthias	Governor Mifflin Middle School
7P416	Fernando Penalzoa	Saint Catharine of Siena School
7P422	Sean Reilly	Immaculate Conception Academy
7P423	Anna Schlegel	Immaculate Conception Academy
7P424	Tyler Givens	Immaculate Conception Academy
7P425	Gabriella Femino	Immaculate Conception Academy
7P452	Janssen Herb	Immaculate Conception Academy

8th Grade Natural Science

Number	Student Name	School
8N023	Stefany Rosas	Saint Peter School
8N024	Ashley Torres	Saint Peter School
8N025	Jadilyz Baez	Saint Peter School
8N028	Jack Wert	Home School
8N051	Michelle Roman	Saint Catharine of Siena School
8N060	Michael Kiebach	The King's Academy
8N079	Perla Alejo	Saint Peter School
8N084	Abigail Hulse	Tulpehocken Junior - Senior High
8N101	Elizabeth Trumbore	Holy Guardian Angels
8N106	Thea Piskorski	Holy Guardian Angels
8N116	Haley Davis	Holy Guardian Angels
8N126	Madison Weachter	Conrad Weiser Middle School
8N128	Madison Harlow	Conrad Weiser Middle School
8N131	Kailey Fuchs	Saint Ignatius Loyola School
8N134	Shawna Thomas	Saint Ignatius Loyola School

8th Grade Natural Science Continued

Number	Student Name	School
8N136	Alyssa Mott	Saint Ignatius Loyola School
8N138	Megan Genetti	Saint Ignatius Loyola School
8N139	Juliana Bernardo	Saint Ignatius Loyola School
8N155	Connor Gundersen	Saint Ignatius Loyola School
8N158	Karina LaFata	Saint Ignatius Loyola School
8N161	Michael Herman	Saint Ignatius Loyola School
8N165	Kathy Nguyen	Saint Ignatius Loyola School
8N166	Ella Hand	Saint Ignatius Loyola School
8N170	Victoria Torres	Muhlenberg Middle School
8N171	Aubrey Hepner	Muhlenberg Middle School
8N172	Yeny Vasquez	Saint Ignatius Loyola School
8N177	Lauren Kuennen	Conrad Weiser Middle School
8N276	Drue LaFaver	Muhlenberg Middle School
8N282	Clara Hardick	Tulpehocken Junior - Senior High
8N293	Luke Chelius	Conrad Weiser Middle School
8N296	Veronica Janus	Conrad Weiser Middle School
8N360	Mariella Frisina	LaSalle Academy
8N361	Joseph Giesen	LaSalle Academy
8N362	Lauren Good	LaSalle Academy
8N363	Lucas Hyneman	LaSalle Academy
8N364	Christelle Zablit	LaSalle Academy
8N371	Grace Prout	Oley Valley Middle School
8N375	Amaya Shah	Wilson West Middle School
8N389	Chet DePue	Sacred Heart School
8N390	Michelle Chi	Sacred Heart School
8N391	Isabella Duddy	Sacred Heart School
8N392	Paul Battista	Sacred Heart School
8N393	Cole Naso	Sacred Heart School
8N396	Kacey La	Conrad Weiser Middle School
8N408	Teigan Goudy	Conrad Weiser Middle School
8N410	Bryan Wagner	Oley Valley Middle School
8N414	Aidan Christie	Conrad Weiser Middle School
8N431	Drew Irey	Immaculate Conception Academy
8N432	Gabriella Kurtas	Immaculate Conception Academy
8N433	Sarah Forkin	Immaculate Conception Academy
8N437	Sidney Wolf	Immaculate Conception Academy
8N441	Quinn Knepper	Conrad Weiser Middle School
8N443	Justin Kaufman	Governor Mifflin Middle School

8th Grade Physical Science

Number	Student Name	School
8P020	Sarah Hetrick	Oley Valley Middle School
8P026	Jackelyn Chonta	Saint Peter School
8P029	Victoria Radcliffe	Conrad Weiser Middle School
8P032	Abigail Atkins	Saint Catharine of Siena School
8P033	MacKenzie Partsch	Saint Catharine of Siena School
8P047	Abigail Franey	Saint Catharine of Siena School
8P049	Vivian Nguyen	Saint Catharine of Siena School

8th Grade Physical Science Continued

Number	Student Name	School
8P050	Meredith Feeney	Saint Catharine of Siena School
8P052	Eliza Fries	Saint Catharine of Siena School
8P057	Rebekah Schnatz	The King's Academy
8P058	Mariah Petrosky	The King's Academy
8P059	Jillian Houser	The King's Academy
8P081	Myrra Small	Oley Valley Middle School
8P082	William Jackson	Oley Valley Middle School
8P093	Julia Harris	Holy Guardian Angels
8P100	Alexander Zavala	Holy Guardian Angels
8P107	Kevin Brown	Holy Guardian Angels
8P108	Sarah Leininger	Holy Guardian Angels
8P117	Anthony Myers	Holy Guardian Angels
8P121	Samuel Robertson	Holy Guardian Angels
8P125	Lindsey Kroenig	Holy Guardian Angels
8P127	Madison Moylan	Conrad Weiser Middle School
8P132	Austin Bortz	Saint Ignatius Loyola School
8P133	Peter Plaggenborg	Saint Ignatius Loyola School
8P135	James Stelluti	Saint Ignatius Loyola School
8P137	Bridget Allen	Saint Ignatius Loyola School
8P140	Alexa Herbein	Saint Ignatius Loyola School
8P156	Caleb Schade	Saint Ignatius Loyola School
8P157	Sylmira Kailey	Saint Ignatius Loyola School
8P159	Bella Schlouch	Saint Ignatius Loyola School
8P160	Kyra Birmingham	Saint Ignatius Loyola School
8P162	Penelope Schreffler	Saint Ignatius Loyola School
8P163	Paige Reali	Saint Ignatius Loyola School
8P164	Joseph Loose	Saint Ignatius Loyola School
8P167	Sarah Painton	Saint Ignatius Loyola School
8P173	Jacob Sileski	Conrad Weiser Middle School
8P174	Audra Stein	Conrad Weiser Middle School
8P175	Olivia Malone	Conrad Weiser Middle School
8P176	Abigail Nye	Conrad Weiser Middle School
8P294	Journee Haynes	Conrad Weiser Middle School
8P342	Nathaniel Wert	Governor Mifflin Middle School
8P344	Karly Sabold	Conrad Weiser Middle School
8P349	Isabel Horst	Conrad Weiser Middle School
8P355	Michael Schuetz	LaSalle Academy
8P357	Megan Vance	LaSalle Academy
8P358	Joshua Stahovich	LaSalle Academy
8P359	Gina Coccia	LaSalle Academy
8P400	Ashton Sterner	Conrad Weiser Middle School
8P403	Veraj Patel	Wilson West Middle School
8P404	Diamond Nwankwo	Conrad Weiser Middle School
8P405	Clayton Hahnlen	Conrad Weiser Middle School
8P407	Griffin Kelly	Governor Mifflin Middle School
8P411	Sanchita Bhusari	Wilson West Middle School
8P434	Peyton Goodrich	Immaculate Conception Academy
8P435	Christian Arbuckle	Immaculate Conception Academy
8P436	Will Gray	Immaculate Conception Academy

8th Grade Physical Science Continued

Number	Student Name	School
8P438	Jennifer Ferrante	Immaculate Conception Academy
8P439	Steven Tepper	Immaculate Conception Academy
8P440	Jonathan Fleck	Oley Valley Middle School

Senior Division

Botany

Number	Student Name	School
BO063	Yuyang Zhao	The King's Academy
BO074	Jenna Philippe	Tulpehocken Junior - Senior High
BO077	Trinity Shepley	Tulpehocken Junior - Senior High
BO118	Jordan Konopelski	Berks Catholic High School
BO168	Francesca Logozzo	Berks Catholic High School
BO179	Zachary Lehman	Governor Mifflin Senior High School
BO181	Mason Wiest	Governor Mifflin Senior High School
BO184	Serenity Clemens	Governor Mifflin Senior High School
BO187	Krystalyn Super	Governor Mifflin Senior High School
BO189	Elijah Briggs	Governor Mifflin Senior High School
BO193	Meigin Chandler	Governor Mifflin Senior High School
BO197	Paige Progansky	Governor Mifflin Senior High School
BO199	Hannah Stanislawczyk	Governor Mifflin Senior High School
BO200	Olivia Heckman	Governor Mifflin Senior High School
BO215	Henry Pakradooni	Governor Mifflin Senior High School
BO228	Jacob Johnston	Governor Mifflin Senior High School
BO229	Andrew Kuczala	Governor Mifflin Senior High School
BO231	Hannah Roth	Governor Mifflin Senior High School
BO232	Lydia Donahower	Governor Mifflin Senior High School
BO236	Luke Creely	Governor Mifflin Senior High School
BO237	Lindsey Bachman	Governor Mifflin Senior High School
BO242	Sean McLaughlin	Governor Mifflin Senior High School
BO244	Leilani Alcantara	Governor Mifflin Senior High School
BO249	Victoria Leffler	Governor Mifflin Senior High School
BO257	Raphael Parisi	Berks Catholic High School
BO295	Kylee Iswalt	Berks Catholic High School
BO304	Ryan Keiper	Governor Mifflin Senior High School
BO305	Emma Steckiel	Governor Mifflin Senior High School
BO306	Andrea Danciu	Governor Mifflin Senior High School
BO308	Taya Knappenberger	Governor Mifflin Senior High School
BO312	Cassy Owens	Governor Mifflin Senior High School
BO313	Derek DeFreece	Governor Mifflin Senior High School
BO314	Eilidh Wilson	Governor Mifflin Senior High School
BO315	Olivia Richards	Governor Mifflin Senior High School
BO320	Mohamed Abdelkader	Governor Mifflin Senior High School
BO321	David Smith	Governor Mifflin Senior High School
BO322	Karlynn Austin	Governor Mifflin Senior High School
BO339	Hope Schreiber	Berks Catholic High School
BO352	Jordan Jones	Governor Mifflin Senior High School
BO459	Owen Kohler	Governor Mifflin Senior High School
BO461	Patrick Donato	Berks Catholic High School

Chemistry

Number	Student Name	School
CH053	Kiet Tran	The King's Academy
CH054	Yuxian Chen	The King's Academy
CH062	Peter Tran	The King's Academy
CH064	Jessie Jiang	The King's Academy
CH070	Courtney Luckenbill	Tulpehocken Junior - Senior High
CH071	Alan Van Tiggelen	Tulpehocken Junior - Senior High
CH075	Ava Ahner	Tulpehocken Junior - Senior High
CH076	Katherine Travis	Tulpehocken Junior - Senior High
CH180	Yusuf Conde	Governor Mifflin Senior High School
CH191	Sidney Conner	Governor Mifflin Senior High School
CH194	Connar Melcher	Governor Mifflin Senior High School
CH203	Nicholas Hartz	Oley Valley High School
CH204	John Pierdomenico	Oley Valley High School
CH206	Alex Rubino	Oley Valley High School
CH207	Brendan Jocsak	Oley Valley High School
CH208	Joseph Wagner	Oley Valley High School
CH209	Shannon Lackey	Oley Valley High School
CH210	Jenna Miller	Oley Valley High School
CH211	Bradlee Langdon	Oley Valley High School
CH212	Kelsie Miller	Oley Valley High School
CH213	June Mader	Oley Valley High School
CH214	Morgan Elias	Oley Valley High School
CH220	Olivia Wenrich	Governor Mifflin Senior High School
CH225	Colin Barnett	Governor Mifflin Senior High School
CH230	Jeyda Duran	Governor Mifflin Senior High School
CH241	Adam Osgood	Governor Mifflin Senior High School
CH243	Ayasha Osiris	Governor Mifflin Senior High School
CH246	Jada Johnson	Governor Mifflin Senior High School
CH251	Jennifer Bortzel	Governor Mifflin Senior High School
CH255	Ahna Romanski	Governor Mifflin Senior High School
CH259	Christian Nguyen	Berks Catholic High School
CH274	Ethan Kinyo	Berks Catholic High School
CH275	Caroline Wasielevski	Berks Catholic High School
CH291	Angelee Miranda-Ganas	Berks Catholic High School
CH318	Raegan Blandford	Governor Mifflin Senior High School
CH330	Miranda Patches	Oley Valley High School
CH331	Joseph Albert	Berks Catholic High School
CH345	Thientrinh Nguyen	Berks Catholic High School
CH348	Kaylie Vu	Berks Catholic High School

Engineering

Number	Student Name	School
EN021	Connor McFadden	Conrad Weiser HS
EN035	Megan Meyers	Conrad Weiser HS
EN036	Rosalie Brunner	Conrad Weiser HS
EN073	Alex Bobo	Tulpehocken Junior - Senior High
EN115	Jillian Rathman	Conrad Weiser HS
EN302	Madison Kopchinski	Governor Mifflin Senior High School
EN447	Nic Tomanelli	Conrad Weiser HS

Earth and Space Sciences

Number	Student Name	School
ES078	Kyleigh Beck	Tulpehocken Junior - Senior High
ES169	Rahul Mannepli	Berks Catholic High School
ES205	Bailey Foreman	Oley Valley High School
ES262	Danny Hoffman	Oley Valley High School
ES309	Reagan Simock	Governor Mifflin Senior High School
ES310	Jaedan Centeno	Governor Mifflin Senior High School
ES449	Matthew Silver	Berks Catholic High School
ES458	Angelina Garwood	Governor Mifflin Senior High School

Math and Computers

Number	Student Name	School
MC061	Mark Rowles	The King's Academy
MC091	Veronica Botch	Berks Catholic High School
MC129	Ethan Stoney	Berks Catholic High School
MC333	Michael Kenny	Berks Catholic High School
MC356	Sarah Lala	Berks Catholic High School
MC372	Henry Pilliod	Berks Catholic High School

Medicine and Health

Number	Student Name	School
MH022	Jeremy Reimenschneider	Conrad Weiser HS
MH027	Kelsey O'Brien	Conrad Weiser HS
MH030	Gabby Torchia	Conrad Weiser HS
MH031	Abagale Ebling	Conrad Weiser HS
MH034	Rini Kaneria	Conrad Weiser HS
MH037	Emily Sadowski	Conrad Weiser HS
MH067	Oluwafolagimni Olugbodi	The King's Academy
MH069	Jordan Boyer	Tulpehocken Junior - Senior High
MH072	Natalie Jonas	Tulpehocken Junior - Senior High
MH104	Adrian Fares	Berks Catholic High School
MH114	Alexa Valunas	Conrad Weiser HS
MH119	Joseph Gresoi	Conrad Weiser HS
MH120	Madison Bright	Conrad Weiser HS
MH130	Grace Green-Roehm	Governor Mifflin Senior High School
MH178	Stephan Cox	Tulpehocken Junior - Senior High
MH182	Gabrielle Glass	Governor Mifflin Senior High School
MH183	Ryan Molfetta	Governor Mifflin Senior High School
MH186	Madison Snyder	Governor Mifflin Senior High School
MH188	Kailey DeGezelle	Governor Mifflin Senior High School
MH190	Austin Maples	Governor Mifflin Senior High School
MH192	Robert Correas	Governor Mifflin Senior High School
MH195	Stefania Fonte	Governor Mifflin Senior High School
MH196	Aiden McCurley	Governor Mifflin Senior High School
MH198	Katelyn Tegan	Governor Mifflin Senior High School
MH201	Steven VanPelt	Governor Mifflin Senior High School
MH216	Dylan Fox	Governor Mifflin Senior High School
MH217	Ashleigh Leinbach	Governor Mifflin Senior High School
MH218	Ally Rettew	Governor Mifflin Senior High School
MH219	Emily Zillhardt	Governor Mifflin Senior High School

Medicine and Health Continued

Number	Student Name	School
MH221	Jaiden Quiles	Governor Mifflin Senior High School
MH222	Klara Politanoff	Governor Mifflin Senior High School
MH223	Sean Bachman	Governor Mifflin Senior High School
MH224	Tyler Cebular	Governor Mifflin Senior High School
MH226	Jacob Knies	Governor Mifflin Senior High School
MH227	Noah Clipman	Governor Mifflin Senior High School
MH233	Nicholas Glass	Governor Mifflin Senior High School
MH235	Emily Burns	Governor Mifflin Senior High School
MH238	Maria Ceballos	Governor Mifflin Senior High School
MH239	Delaney Beard	Governor Mifflin Senior High School
MH240	Olivia Brower	Governor Mifflin Senior High School
MH247	Perry Levine	Governor Mifflin Senior High School
MH248	Julia Peticca	Governor Mifflin Senior High School
MH250	David Mansell	Governor Mifflin Senior High School
MH252	Cameron Driesbach	Governor Mifflin Senior High School
MH253	Brandon Bohn	Governor Mifflin Senior High School
MH254	Gabriel Kitsch	Governor Mifflin Senior High School
MH256	Megan Holcomb	Governor Mifflin Senior High School
MH263	Jasmine Slusser	Berks Catholic High School
MH264	Conor Harr	Governor Mifflin Senior High School
MH271	Gina Maria Fiore	Governor Mifflin Senior High School
MH273	Ellie Chibirka	Conrad Weiser HS
MH287	Sarah Lang	Governor Mifflin Senior High School
MH303	Madison Carrano	Governor Mifflin Senior High School
MH307	Jessica Bischler	Governor Mifflin Senior High School
MH317	Seth Krumm	Governor Mifflin Senior High School
MH319	Olivia Focht	Governor Mifflin Senior High School
MH323	Dominick Weiss	Governor Mifflin Senior High School
MH327	Gehan Hadba	Governor Mifflin Senior High School
MH334	Mikaela Kenny	Berks Catholic High School
MH336	Kayla Davis	Berks Catholic High School
MH337	Baotram Nguyen	Berks Catholic High School
MH354	Hilary Good	Berks Catholic High School
MH383	Eric Heim	Muhlenberg Middle School
MH462	James Hornickle	Berks Catholic High School
MH463	Nikolas Gresoi	Conrad Weiser HS

Physics

Number	Student Name	School
PH055	Travis Gagnon	The King's Academy
PH056	Yihan Hu	The King's Academy
PH065	Noah Kulp	The King's Academy
PH066	Gia Lee	The King's Academy
PH098	Adam Sichler	Berks Catholic High School
PH099	Colin Balash	Berks Catholic High School
PH105	Riley Blake	Berks Catholic High School
PH185	Kelly Kozo	Governor Mifflin Senior High School
PH311	Tswjhwmm Lo	Governor Mifflin Senior High School
PH316	Justin Siltzer	Governor Mifflin Senior High School

Physics Continued

Number	Student Name	School
PH346	Josep Walker	Berks Catholic High School
PH444	Krishna Nayak	Wilson High School
PH460	Harrison Wittmeyer	Berks Catholic High School

Zoology

Number	Student Name	School
ZO092	Caroline Golembiewski	Berks Catholic High School
ZO112	Rachel Kesselring	Conrad Weiser HS
ZO113	Lacie Pichler	Conrad Weiser HS
ZO245	Sydney Payne	Governor Mifflin Senior High School

Summary of Entries by Category

6N	30
6P	27
7N	48
7P	54
8N	53
8P	59
BO	41
CH	39
EN	7
ES	8
MC	6
MH	65
PH	13
ZO	4
Total Entries	454

PAST AWARD WINNERS

1953	1 - Virgil Ponzoli - Central Catholic - Earth-Space 2 - Joseph Drylewski - Central Catholic - Zoology 3 - Harvey Plowfield, Jr. - Wyomissing - Physics
1954	1 - Malcolm Eidle - Kutztown
1955	1 - David L. Klemmer - Reading High - Zoology
1956	1 - John Braun - Central Catholic - Chemistry
1957	1 - Raymond Bowman - Reading High - Physics
1958	1 - Kerry Weinhold - Reading High - Physics 2 - Priscilla Hendricks - Governor Mifflin 3 - Dolores A. Napiecek - Central
1959	1 - George F. Post - Central - Zoology 2 - Catharine Gallagher - Mt. St. Michaels 3 - Marguerite Costigan - Kutztown

1960
 1 - George F. Post - Central Catholic
 2 - Paula Buskey - Central Catholic
 3 - Barry W. Ache - Reading High - Botany

1961
 1 - Kermit F. Crossland - Central Catholic - Chemistry
 2 - Jacob Snyder - Oley Valley - Zoology
 3 - Dale Stoltzfus - C.E. Cole

1962
 1 - Bruce D. Pomeroy - Central Catholic - Physics
 2 - James Berger - Exeter - Zoology
 3 - Kathleen Bryniaski - Central Catholic

1963
 1 - Barbara M. Descoteaux - Mt. St. Michaels - Bio Chemistry
 2 - John Stofko - Central Catholic - Physics
 3 - Janine Phillips - Schuylkill Valley - Physical Science

1964
 1 - Ronald Polinski - Central Catholic - Applied Science
 2 - Suzanne Garszcynski - Central Catholic - Chemistry
 3 - Janine Phillips - Schuylkill Valley - Physical Science

1965
 1 - Ronald J. Polinski - Central Catholic - Grand Champ Boy - Zoology
 1 - Cheryl L. Leddy - Central Catholic - Grand Champ Girl - Chemistry
 2 - Daniel M. Webber, Jr. - Central Catholic - Physics
 2 - Nancy Noone - Central Catholic - Applied Science

1966
 1 - James Simpson - Central Catholic - Zoology
 1 - Antoinette Tyrrell - Central Catholic - Physics
 2 - Daniel Weber - Central Catholic - Physics
 2 - Suzanne Radka - Central Catholic - Applied Science

1967
 1 - Bradley Auge - Governor Mifflin - Zoology
 1 - Suzanne Radka - Central Catholic - Applied Science
 2 - David L. Wagner - Holy Name - Physics
 2 - Kathleen Rose - Central Catholic - Physics

1968
 1 - Bradley Auge - Governor Mifflin - Med./Health
 2 - Randall Heffelfinger - Oley - Chemistry
 3 - Maryann Zanis - Holy Name - Zoology

1969
 1 - Richard Harris - Central Catholic - Med/Health
 2 - Maryann Zanis - Holy Name - Zoology
 3 - Steven Peter - Boyertown - Earth-Space

1970
 1 - Leonard Smolinski - Central Catholic - Physics
 2 - Patricia Culp - Holy Name - Zoology
 3 - Richard Harris - Central Catholic - Med/Health

1971
 1 - R. Richard Harris - Central Catholic - Med./Health
 2 - Jeffrey Green - Reading High - Chemistry
 3 - Robert Skrocki - Central Catholic - Earth-Space

1972
 1 - Maria Porcaro - Central Catholic - Med/Health
 2 - David Embree - Muhlenberg - Physics
 3 - Anton Kapp - Holy Name - Botany

1973
 1 - Anton Kapp - Holy Name - Botany
 2 - Thomas P. Hafer - Central Catholic - Med/Health
 3 - Dennis Lorah - Boyertown - Chemistry

1974
 1 - Paul Embree - Muhlenberg - Physics
 2 - Dennis P. Lorah - Boyertown - Chemistry
 3 - Richard H. Ebright - Muhlenberg - Zoology

1975
 1 - Richard Ebright - Muhlenberg - Zoology
 2 - Paul Embree - Muhlenberg - Physics
 3 - Thomas Smithgall - Holy Name - Med/Health

1976
 1 - Richard A. Ebright - Muhlenberg - Zoology
 2 - Paul M. Embree - Muhlenberg - Physics

1977
 1 - Richard H. Ebright - Muhlenberg - Zoology
 2 - Paul Embree - Muhlenberg - Physics
 3 - Brad S. Rachman - Muhlenberg - Botany

1978
 1 - James K. McCarthy - Muhlenberg - Earth-Space
 2 - David J. Eshelman - Exeter - Med/Health
 3 - Raffaella Torchia - Holy Name - Botany

1979
 1 - Kirk Mathews - Central Catholic - Physics
 2 - David Eschelman - Exeter - Chemistry
 3 - Gregory Henry - Reading High - Zoology

1980
 1 - James Linton - Reading High - Botany
 2 - Kirk Mathews - Central Catholic - Physics
 3 - Michael Swank - Reading High - Zoology

1981
 1 - Andrew Fraley - Wilson - Math & Computers
 2 - Helen Rozzi - Central Catholic - Chemistry
 3 - Michael Swenk - Reading High - Botany

1982
 1 - Christopher L. Fraley - Wilson - Math & Computers
 2 - Stephen L. Rozzi - Central Catholic - Physics
 3 - Timothy R. Valentino - Reading High - Chemistry

1983
 1 - Christopher Fraley - Wilson - Math & Computers
 2 - Christopher Russo - Central Catholic - Physics
 3 - Jennifer Emkey - Holy Name - Med./Health

1984
 1 - Jennifer Emkey - Holy Name - Med/Health
 2 - Christopher Fraley - Wilson - Math & Computers
 3 - Michele Swope - Holy Name - Botany

1985
 1 - Michele Swope - Holy Name - Botany
 2 - Christopher Fraley - Wilson - Math & Computers
 3 - Heather Shimp - Holy Name - Earth-Space

1986
 1 - David Haile - Holy Name - Zoology
 2 - Steven Litvin - Wilson - Math & Computers
 3 - Michele Swope - Holy Name - Physics

1987
 1 - Steven Litvin - Wilson - Physics
 2 - David Haile - Holy Name - Zoology
 3 - Melissa Wall - Muhlenberg - Chemistry

1988
 1 - Steven Litvin - Wilson - Physics
 2 - Sharon Pilarski - Holy Name - Med/Health
 3 - Anne Wert - Daniel Boone - Earth-Space

1989
 1 - Sharon Pilarski - Holy Name - Med./Health
 2 - Michael Thompson - Central Catholic - Zoology
 3 - Daniel Cherrie - Oley - Physics

1990
 1 - Lawrence Moore - Governor Mifflin - Zoology
 2 - Stephen Kelley - Governor Mifflin - Physics
 3 - Theresa Helms - Holy Name - Med/Health

1991
 1 - George Gumbrell - Boyertown - Physics
 2 - Lawrence Moore - Governor Mifflin - Zoology
 3 - Peter A. Daley - Wilson - Physics

1992
 1 - Michael Rhoades - Oley
 2 - Peter Daley - Wilson
 3 - Stephen Kelley - Governor Mifflin

1993
 1 - Michael Rhoads - Oley
 2 - Peter Daley - Wilson
 3 - Gregory Emkey - Holy Name

1994
 1 - Gregory Emkey - Holy Name
 2 - Derek Robinson - Wilson
 3 - Nicholas Warischalk - Reading Central Catholic

1995
 1 - Gerry Lee - Wilson
 2 - Joshua Himmelberger - Hamburg
 3 - Stephen Emkey - Holy Name

1996
 1 - Joshua Himmelberger - Hamburg
 2 - Stephen Emkey - Holy Name
 3 - Michael Nieman - Oley Valley

1997
 1 - Brett DePoister - Reading Central Catholic
 2 - Joshua Himmelberger - Hamburg
 3 - Stephen Emkey - Holy Name

1998
 1 - Brett DePoister - Reading Central Catholic
 2 - Jesse Belanger - Oley Valley
 3 - Kristina Sanford - Wilson

1999
 1 - Jeff Payne - Wilson
 2 - Kyle Usbeck - Wilson
 3 - Stacey Blanck - Exeter

2000
 1 - Kyle Usbeck - Wilson
 2 - Jeff Payne - Wilson
 3 - Dan Vroman - Exeter

2001
 1 - Katie Sanford - Wilson
 2 - Kyle Usbeck - Wilson
 3 - Bradford James Brizek - Conrad Weiser

2002	1 - Jeffrey Pawlikowski - Conrad Weiser 2 - Katie Sanford - Wilson 3 - Nickolas Timpe - Home School
2003	1 - Denise Gardner - Conrad Weiser 2 - Kathryn Sanford - Wilson 3 - Nickolas Timpe - Home School
2004	1 - Thomas Trudel - Muhlenberg 2 - Kathryn Sanford - Wilson 3 - Peter Littlefield - Oley Valley
2005	1 - Hilary Peterson - Conrad Weiser 2 - Thomas Trudel - Muhlenberg 3 - Matthew Gardner - Conrad Weiser
2006	1 - Kimberly Larrabee - Reading 2 - Alex Youst - Conrad Weiser 3 - Jon Rittle - Conrad Weiser
2007	1 - Alex Quaintance - Muhlenberg 2 - Christopher Zimmerman - Muhlenberg 3 - Nicholas Showalter - Conrad Weiser
2008	1 – Christopher Zimmerman – Muhlenberg 2 – Rachel Bigos – Holy Name 3 – Ryan Moraski – Conrad Weiser
2009	1 – Seth Fisher – The King’s Academy 2 – Vincent Zampelli – Conrad Weiser 3 – John Keller – The King’s Academy
2010	1 – John Keller – The King’s Academy 2 – Gregory Scanlon – Holy Name HS 3 – Miranda Haslam – The King’s Academy
2011	1 – Matthew Weidner – Brandywine HS 2 – Miranda Haslam – The King’s Academy 3 – Aubrie Potteiger – Muhlenberg Middle
2012	1 – Matthew Weidner – Brandywine HS 2 – Andrew Przyjemski – Governor Mifflin HS 3 – Grant Bayer – Tulpehocken HS
2013	1 – StepHanie Keller – Conrad Weiser HS 2 – Megan Campbell – Conrad Weiser HS 3 – Catharine Scoboria – Berks Catholic HS
2014	1 – Andrew Przyjemski – Governor Mifflin HS 2 - Matthew Weidner – Brandywine HS 3 - Catharine Scoboria – Berks Catholic HS
2015	1 - Andrew Przyjemski – Governor Mifflin HS 2 – Marlin Thomas – Governor Mifflin HS 3 – Kayla Petersen - The King’s Academy

2016

- 1 - Alexa Schneck – Conrad Weiser HS
- 2 - Joseph Gresoi – Conrad Weiser HS
- 3 – Boatram Nguyen – Berks Catholic HS

Thanks to the parents, students, teachers, judges and all of our sponsors. Special thanks to the staff at Albright College. I believe the science fair provides a truly unique educational experience and it would not be possible without all of your support.

This is probably my last message as President of the fair. I started as a Chemistry judge and became more involved when Terry Trumbauer informed me that as President of The Reading Chemists' Club I was the VP of the science fair. Frank Herron asked me to work with the students going to ISEF to help prepare the projects for competition at the International level. The first two students I worked with were Michael Rhoads and Peter Daily. You may look at the above list to see what year that was. In 1999 Frank Herron asked me to be a judge at the ISEF in Philadelphia. I judged Engineering and it was an amazing experience for my family and I. I have enjoyed the privilege of judging Physics, Chemistry and Material Science at ISEF. My first year as President of the science fair and RBSEF, Inc. was 2003.

Michael Gerhart and I have decided it is time to pass the torch to the next generation. Linda Rentschler is now the Fair Director. Linda and Robin Hewston will be taking this year's winners to the ISEF in Los Angeles, Ca. I will be there as a Material Science judge and to provide support if needed. Several new people have volunteered to help organize and run the fair. Please consider volunteering to provide Linda with the same level of support that Michael Gerhart and I have enjoyed. We look forward to watching the Reading-Berks Science and Engineering fair grow and evolve.

Thanks,
Bob Novak – President, RBSEF, Inc.