

Montgomery County Science Research Competition- General Award Script - All Divisions

12th Grade

Behavior & Social Science

3rd Place

Neha Jonnalagadda - Germantown Academy Upper School - 12th Grade

12-BEH-003 - Implementation of India's N.E.P 2020 in Indian Schools

2nd Place

Elizabeth Hercek - Souderton High School - 12th Grade

12-BEH-004 - The Prevalance of Advertising on Social Media

1st Place

Larry Zhan - Germantown Academy Upper School - 12th Grade

12-BEH-002 - The Effects of Confidence and Competition on Perseverance

Biochemistry

2nd Place

Jianna Kim - Germantown Academy Upper School - 12th Grade

12-BCM-002 - Tailored Treatments: Predicting Drug Efficacy in Beta-1 Receptor Variants

1st Place

Roma Reddy - Germantown Academy Upper School - 12th Grade

12-BCM-001 - Development of novel inhibitors of BET1 protein for targeted therapy against leukemia through PROTAC

Botany

1st Place

Winston Sun - Germantown Academy Upper School - 12th Grade

12-BOT-001 - Crop Growth's Effectiveness on Soil Degradation

Computer Science

2nd Place

Katie Young - Methacton High School - 12th Grade

12-CMP-001 - Detecting Breast Cancer

1st Place

Arjun Sood - Germantown Academy Upper School - 12th Grade

12-CMP-002 - CLAM: Chaining LLM PEFT, Quantization, and Pruning Methods

Earth & Space Science

2nd Place

Eileen Wang - Germantown Academy Upper School - 12th Grade

12-E&S-001 - Observing asteroids and predicting their orbital paths

1st Place

Roy Zhao - Germantown Academy Upper School - 12th Grade

12-E&S-002 - Analysis and Optimization of a Novel GNN-based Framework for Meteorological Drought Forecasting

Environmental Science

1st Place

Alycia Steck - Germantown Academy Upper School - 12th Grade

12-ENV-001 - Remediation of GBH Induced Dysbiosis in Microbiome using Biostim

Mathematics

3rd Place

Adora Abdul - Cheltenham High School - 12th Grade

12-MTH-001 - The Math of Topography

2nd Place

Luke Hu - Germantown Academy Upper School - 12th Grade

12-MTH-002 - Predict Diabetes Using Deep Learning and Health Data

1st Place

Dylan Wen - Methacton High School - 12th Grade
12-MTH-003 - Optimizing Tennis Serve Strategy

Medicine & Health

2nd Place

Vedika Deshpande - North Penn High School - 12th Grade
12-MED-001 - The Effect of E-Cigarettes on human health

1st Place

Ada Leeds - Germantown Academy Upper School - 12th Grade
12-MED-003 - The effect of various AHA/BHA serums on exfoliation of various facial skin types

Microbiology

1st Place

Srija Chaudhuri - Upper Dublin High School - 12th Grade
12-MIC-001 - Estimating Risk of Cancer with DNA Methylation Analysis

11th Grade

Behavior & Social Science

1st Place

Leah Simon - North Penn High School - 11th Grade
11-BEH-002 - How do stress-related disorders affect the frontal lobe of the brain in adolescents and young adults?

Biochemistry

1st Place

Avyukt Sharma - Methacton High School - 11th Grade
11-BCM-001 - Waste-to-Fuel: Converting Post Harvest Produce Waste Into a Viable Gasoline alternative

Chemistry

3rd Place

Riya Mehta - Souderton High School - 11th Grade
11-CHM-003 - Enhanced Biodiesel Production: Optimizing Sodium Hydroxide

2nd Place

Alan Jiang - Upper Dublin High School - 11th Grade
11-CHM-002 - A dye-sensitized TiO₂-based photocatalyst for H₂ production

1st Place

Anna Akhobadze - Lower Moreland High School - 11th Grade
11-CHM-001 - Enhancing Freeze-Thaw Resistance in Portland Cement Concrete: Investigating the Synergistic Effects of Fly Ash and Zeolite Clinoptilolite

Computer Science

3rd Place

Ajay Chakraborty, Andrew Witmer - Haverford School - 11th Grade
11-CMP-004 - Prediction of Diabetes from Clinical Data

2nd Place

Tyler Tang - Germantown Academy Upper School - 11th Grade
11-CMP-002 - Usage of VSLAM in Real-time Room Mapping and Generation of 3D Environment

1st Place

Nathan George - Germantown Academy Upper School - 11th Grade
11-CMP-001 - Developing a Solution to the Inaccessibility of Training Data

Earth & Space Science

3rd Place

Kelvin Zhang - Souderton High School - 11th Grade
11-E&S-003 - Hydrogen Production Through Electrolysis: Sustaining a Mars Settlement

2nd Place

Carter Rembert - Methacton High School - 11th Grade
11-E&S-001 - Galactic Evolution Under Black Hole Feedback Dynamics

1st Place

Maximillian Kopp - Germantown Academy Upper School - 11th Grade
11-E&S-002 - Inkjet-Printed, Deployable Ultrasonic Sensors for Real-Time Structural Health Monitoring in Deep-Space Missions

Engineering**Honorable Mention**

Tamara Brockington - Abington Friends School - 11th Grade
11-ENG-001 - The Future of Motion: Engineering a Bionic Arm

3rd Place

Xinyu Yu - The Hill School - 11th Grade
11-ENG-006 - Waterfowl-Inspired Amphibious Bionic Robot for Mangrove Ecosystem Monitoring

2nd Place

Ethan Ryu - The Hill School - 11th Grade
11-ENG-007 - Removing Microplastic from Schuylkill River using Electrophoresis

1st Place

Alexander Wang - Germantown Academy Upper School - 11th Grade
11-ENG-004 - Exploring Concrete 3D Building through a Robotic Arm

Environmental Science**Honorable Mention**

Devon Geist - Germantown Academy Upper School - 11th Grade
11-ENV-003 - Daphnia's effects in different runoff waters

3rd Place

Yuktha Bungatavula - Souderton High School - 11th Grade
11-ENV-001 - The Effects of Soil Conservation on Soil Erosion

2nd Place

Adele Streletsky - Lower Moreland High School - 11th Grade
11-ENV-005 - Next Generation Carbon Dioxide Mitigation

1st Place

Pranati Jammalamadaka - Souderton High School - 11th Grade
11-ENV-004 - Evaluating Various Methods for Microplastic Removal

Mathematics**1st Place**

Audrey Yu - Germantown Academy Upper School - 11th Grade
11-MTH-002 - Multi-Omics Predictive Model for Personalized Breast Cancer Prognosis

Medicine & Health**Honorable Mention**

Reina Majumdar - Lansdale Catholic School - 11th Grade
11-MED-007 - Role of Replication Stress and BAP1 Mutation on Patient Survival in Mesothelioma

3rd Place

Rasika Sivakumar - Methacton High School - 11th Grade
11-MED-002 - Leveraging AlphaFold3 to Predict Protein Interactions

2nd Place

David Shen - Harriton High School - 11th Grade
11-MED-008 - Enhancing BACE1 Inhibitor Discovery with Machine Learning by Integrating Binding Interactions and QSAR Features

1st Place

Ryan Wang - Haverford School - 11th Grade

11-MED-004 - Deep Immune Profiling of CD4+ T Cell Clonal Responses to Checkpoint Blockade in Human Patients with Melanoma

Physics**2nd Place**

Parv Kevadia - North Penn High School - 11th Grade

11-PHY-002 - Bernoulli's Principle:- Fluid Dynamics

1st Place

Adelina Cutrona - Souderton High School - 11th Grade

11-PHY-001 - The Perfect Curve: Arch Bridges Rise-to-Span Ratio

Zoology**1st Place**

Niharika Inampudi - Souderton High School - 11th Grade

11-ZOO-001 - Acid-Induced Neurotoxicity in Drosophila Melanogaster

10th Grade**Behavior & Social Science****Honorable Mention**

Haritha Rajan - North Penn High School - 10th Grade

10-BEH-007 - The Effect of Color on Heart Rate: Impact of External Stimuli on the Human Body

Ari Swindells - Souderton High School - 10th Grade

10-BEH-004 - Did You Hear That?

3rd Place

Amaya McCants - Cheltenham High School - 10th Grade

10-BEH-003 - Color or sound?: Is sound or color more important in a movie?

2nd Place

Maya Herrlinger - Souderton High School - 10th Grade

10-BEH-005 - Factors that Influence Teen Decision-Making

1st Place

Julia Cavallo - Lower Moreland High School - 10th Grade

10-BEH-001 - Beyond the McGurk Effect: Can Realities be Created?

Biochemistry**Honorable Mention**

Pramith Pradeep - North Penn High School - 10th Grade

10-BCM-001 - Evaluation of Biochemical Properties of Supplemental Drinks

3rd Place

Joshua Hong - Upper Dublin High School - 10th Grade

10-BCM-005 - The Optimal Dosage for Whitening Stained Teeth

2nd Place

Jeremy Evans - Souderton High School - 10th Grade

10-BCM-007 - Effect of Ocean Acidification on Sea Urchin Larvae Development

1st Place

Cecilia Petersson - Lower Merion High School - 10th Grade

10-BCM-003 - Computational Design and Scalable Production of Polyethylene Degrading Enzymes

Chemistry**Honorable Mention**

Sophia Ksenzenko - Lower Moreland High School - 10th Grade

10-CHM-009 - Can I Drink my Water?

Mahi Chawla, Aayna Singh - Spring-ford High School - 10th Grade

10-CHM-010 - Chemiluminescence

3rd Place

Brooklyn Diener - Germantown Academy Upper School - 10th Grade
10-CHM-002 - Dance Floor Absorption

2nd Place

Jillian Wexler - Souderton High School - 10th Grade
10-CHM-007 - The Effect of Different Cooking Methods on Vitamin C

1st Place

Chelsea Lian - Methacton High School - 10th Grade
10-CHM-005 - Determination of Total Phenolic Content in Various Beverages

Computer Science**3rd Place**

Patrick Xie - Lower Moreland High School - 10th Grade
10-CMP-004 - Machine Learning Insights into Football Injury Patterns

2nd Place

Rushil Reddy - Germantown Academy Upper School - 10th Grade
10-CMP-003 - Optimizing Machine Learning Models for Lung Tumor Detection

1st Place

Rohit Mahajan - Methacton High School - 10th Grade
10-CMP-002 - Developing a Machine Learning Model for Workout Form Analysis and Real-Time Feedback

Earth & Space Science**3rd Place**

Samahn Lolley - Cheltenham High School - 10th Grade
10-E&S-003 - Comparing Energy Output from Solar, Wind, and Hydro Sources"

2nd Place

Rahul Bhatt - Germantown Academy Upper School - 10th Grade
10-E&S-001 - Exploring the Time Dilation of Black Holes from Interstellar

1st Place

Haasini Matta - Souderton High School - 10th Grade
10-E&S-002 - Rust and Resilience

Engineering**3rd Place**

Ryan Weber - Methacton High School - 10th Grade
10-ENG-003 - Insulation Fascination

2nd Place

Bhavi Patel - Methacton High School - 10th Grade
10-ENG-004 - Which Design of a Desalination System is the Most Efficient?

1st Place

Zheyu Zhang - The Hill School - 10th Grade
10-ENG-005 - FireDetect

Environmental Science**Honorable Mention**

Christine Mungiole - Lower Moreland High School - 10th Grade
10-ENV-005 - How do Nanoparticles Affect Freshwater Organisms

3rd Place

Laasyakrishna Malneedi, Alexandra Sullivan - Spring-ford High School - 10th Grade
10-ENV-006 - Environmental Effects of Paper versus Biodegradable Disposables

2nd Place

Niyathi Jonnalagadda - Germantown Academy Upper School - 10th Grade

10-ENV-004 - Effect of Biochar and Compost on Carbon Sequestration and Soil Fertility

1st Place

Liam Connolly - Souderton High School - 10th Grade

10-ENV-003 - Natural Acids' Effect on Plant Growth Under Greywater Stress

Medicine & Health

3rd Place

Dillon Potula - Upper Dublin High School - 10th Grade

10-MED-005 - Study of TP53 Polymorphisms in Lung Cancer

2nd Place

Gilbert Yang - Methacton High School - 10th Grade

10-MED-003 - Cardiomyocyte Differentiation of Newly Reprogrammed iPSCs

1st Place

Monita Rijal - North Penn High School - 10th Grade

10-MED-002 - Effects of Augmented Reality in Post-Stroke Semantic Memory Restoration

Microbiology

Honorable Mention

Nicholas Loza - Upper Dublin High School - 10th Grade

10-MIC-008 - Effects of Edible Bacterial Inhibitors on *B. cereus*

Adhara Reddy - Methacton High School - 10th Grade

10-MIC-006 - Surface Secrets: Bacteria Growth on Surfaces

3rd Place

Rehan Rana - Lower Moreland High School - 10th Grade

10-MIC-012 - Effects of Natural Remedies on Bacteria in Phage Infections

2nd Place

Tola Clements - Spring-ford High School - 10th Grade

10-MIC-003 - Exploring the Impact of Radio-Frequency Radiation on *Escherichia Coli* K-12.

1st Place

Andrew Kang - Methacton High School - 10th Grade

10-MIC-013 - Effects of Turmeric and Curcumin on Amyloid Beta Plaque in *C. Elegans* Model

Physics

2nd Place

Porter McElhaugh - Germantown Academy Upper School - 10th Grade

10-PHY-002 - How Different Fins Change a Rocket's Accuracy

1st Place

Jeremy Wang - Methacton High School - 10th Grade

10-PHY-001 - Deducing Decibels via Decoupling

Zoology

2nd Place

Sara Geschwindt - Souderton High School - 10th Grade

10-ZOO-001 - Which Animal Manure Will Provide the Most Benefit to Plants?

1st Place

Matthew Lo - Haverford School - 10th Grade

10-ZOO-002 - Enhancing Targeted Crop Pollination by Training *Apis Mellifera* Using Synthetic Mimic Odors and AI-based Analysis

9th Grade

Behavior & Social Science

Honorable Mention

Zoe Brownstein - Germantown Academy Upper School - 9th Grade

09-BEH-001 - What Images are Easiest to Identify as AI-Generated and How?

3rd Place

Dean Stephanos - Souderton High School - 9th Grade
09-BEH-006 - The Smell of Success!

2nd Place

Jason Ma - Germantown Academy Upper School - 9th Grade
09-BEH-003 - Effect of Font Type and Size on Reading Comprehension and Speed

1st Place

Leora Brodsky - Lower Moreland High School - 9th Grade
09-BEH-004 - Circadian Rhythm as Predictors of Academic Performance

Biochemistry**3rd Place**

Alexis Schmidt - Upper Dublin High School - 9th Grade
09-BCM-001 - Effects of Different Cooking Methods on the pH of Green Beans, Lemons, and Tomatoes

2nd Place

Gabriella Sellecchia - Lower Moreland High School - 9th Grade
09-BCM-003 - Which Daily Moisturizer Works the Best?

1st Place

Mehtaab Singh - Lower Moreland High School - 9th Grade
09-BCM-002 - Best Algae Type for Biofuel Production

Botany**Honorable Mention**

Sriya Gorrepati - Souderton High School - 9th Grade
09-BOT-005 - Effect of Vitamins on Plant Growth

3rd Place

Natalya Abraham - Lower Moreland High School - 9th Grade
09-BOT-001 - How does Volcanic Ash affect Plants?

2nd Place

Grace Byard - Cheltenham High School - 9th Grade
09-BOT-004 - Magnetic Plants: Iron Magnetization and Electroculture

1st Place

Anushka Abraham - Souderton High School - 9th Grade
09-BOT-002 - The Effect of Nitrogen of Seed Germination

Chemistry**3rd Place**

Sophie Thomas - Methacton High School - 9th Grade
09-CHM-005 - Tarnish to Treasure

2nd Place

Frida Brodsky - Cheltenham High School - 9th Grade
09-CHM-001 - Fruity Face Masks: How does Fruit Affect Face Mask pH?

1st Place

Neve Schwarz - Cheltenham High School - 9th Grade
09-CHM-003 - Evaluating Olive Oil Quality with Colorimetric Tests

Computer Science**2nd Place**

Nicholas Lieu - Germantown Academy Upper School - 9th Grade
09-CMP-002 - Artificial Intelligence's Bias at the DMV

1st Place

Olivia Yoon - Methacton High School - 9th Grade

09-CMP-001 - Switching for Comfort

Earth & Space Science

2nd Place

Reid Blamey - Methacton High School - 9th Grade

09-E&S-001 - Using AI to Predict Flooding

1st Place

Siddharth Shettar - Spring-ford High School - 9th Grade

09-E&S-002 - Using Machine Learning to Classify Mars Images

Engineering

3rd Place

Jeffrey Fan - Methacton High School - 9th Grade

09-ENG-002 - People Power: Harnessing Piezoelectricity from Human Activity

2nd Place

Jeffrey Qin - Methacton High School - 9th Grade

09-ENG-003 - How Build Quality Affects Build Strength

1st Place

Selena Zhang - Souderton High School - 9th Grade

09-ENG-004 - The Optimization and Performance of Custom Structural Joints

Environmental Science

3rd Place

Nathan Kim - Haverford School - 9th Grade

09-ENV-002 - The Effects of Snow Salts on Local River Ecosystems

2nd Place

Gia Gupta - Penndale Middle School - 9th Grade

09-ENV-001 - The Best Drinking Water

1st Place

Jimin Jung - The Hill School - 9th Grade

09-ENV-003 - Mitigating Microfiber Toxicity in Textile Soils Using Nitrogen-Fixing Biofilms

Mathematics

3rd Place

Colin Lu - Methacton High School - 9th Grade

09-MTH-003 - The Influence of External Events on the Stock Market

2nd Place

Dylan Wu - Souderton High School - 9th Grade

09-MTH-002 - Prisoner's Dilemma Dilemma

1st Place

Eliza Yu - Germantown Academy Upper School - 9th Grade

09-MTH-005 - Evolving Lung Cancer Survival Inequality: Role of Emerging Immunotherapies

Medicine & Health

3rd Place

Vedanth Iyengar - Pennfield Middle School - 9th Grade

09-MED-003 - Health Effects of Polydrug Use

2nd Place

Simran Kamal-Bahl - Germantown Academy Upper School - 9th Grade

09-MED-006 - Effect of Diet, Exercise, and Sleep on Diabetes Control

1st Place

Jessica Ma - Germantown Academy Upper School - 9th Grade

09-MED-007 - Effects of Covid-19 Vaccines on Teenagers' Menstrual Cycles

Microbiology

Honorable Mention

Nicholas Abraham - Souderton High School - 9th Grade

09-MIC-001 - What Household Disinfectants Kill Bacteria Most Efficiently?

3rd Place

Waverly Badour - Lower Moreland High School - 9th Grade

09-MIC-002 - Bacterial Growth Inside vs. Outside

2nd Place

Sydney Kao - Souderton High School - 9th Grade

09-MIC-003 - The Effect of Disinfectant Dilutions on Bacteria

1st Place

Taruni Pasumarthi - Methacton High School - 9th Grade

09-MIC-005 - Microbe v.s. Metal: The Prevention Match

Physics

2nd Place

Andres Obando - Upper Dublin High School - 9th Grade

09-PHY-002 - The Effects of Varied Forces on the Distance of Projectiles

1st Place

Arwa Muneeruddin - Lower Moreland High School - 9th Grade

09-PHY-001 - Stealthy Shapes: How to Make an Aircraft Invisible to Radar

Zoology

3rd Place

Josiah Thottukadavil - Lower Moreland High School - 9th Grade

09-ZOO-003 - High dishes, hungry geckos? linking elevation to appetite

2nd Place

Daniel Dashko - Germantown Academy Upper School - 9th Grade

09-ZOO-001 - The Effect of Different Amounts of Radiation on Duck Embryos

1st Place

Anshul Shah - Germantown Academy Upper School - 9th Grade

09-ZOO-004 - Effects of Herbal Remedies on Cell Renewal of Lumbriculus

6th - 8th Grade

Behavior & Social Science

Honorable Mention

Claire Kwon - Arcola Middle School - 6th - 8th Grade

MS-BEH-005 - Piaget's Theory on Cognitive Development

Katarina Aplenc, Emma Koenig, Elizabeth Vannier - French International School of Philadelphia - 6th - 8th Grade

MS-BEH-004 - The Invisible Influence: The hidden factor manipulating society

3rd Place

Gabriel Little - Cedarbrook Middle School - 6th - 8th Grade

MS-BEH-006 - Are You Losing Your Magic? How Does Your Imagination Change As You Age?

2nd Place

Tess Coover - French International School of Philadelphia - 6th - 8th Grade

MS-BEH-009 - In the Spotlight vs. In the Shadows

1st Place

Madison Truskowski - Indian Valley Middle School - 6th - 8th Grade

MS-BEH-001 - The Correlation Between Cognitive Functions and Athletics in Student Development

Biochemistry

Honorable Mention

Kaitlyn Yang - Pennbrook Middle School - 6th - 8th Grade

MS-BCM-006 - Processed Vs. Unprocessed Foods, Which Rises Blood Sugar Levels Faster?

3rd Place

Eunsoo Kim - Cedarbrook Middle School - 6th - 8th Grade

MS-BCM-004 - Oxidizing C : Change the Color of Fruit/Vegetable Juice

2nd Place

Taya Pitram - French International School of Philadelphia - 6th - 8th Grade

MS-BCM-001 - Bananastatic: A Study On Ripening

1st Place

Matías Fagnani - Cedarbrook Middle School - 6th - 8th Grade

MS-BCM-008 - That's Bananas! Light Intensity and Ripening

Botany

Honorable Mention

Chace Richardson - Wyndcroft Middle School - 6th - 8th Grade

MS-BOT-006 - Do Different soils affect plant growth

3rd Place

Aliyah Batts - Cedarbrook Middle School - 6th - 8th Grade

MS-BOT-001 - Brrr...It's Warm! How does different temperatures of water affect plants?

2nd Place

Nora Staudt - Pennbrook Middle School - 6th - 8th Grade

MS-BOT-004 - Which grows faster, hydroponic plants or soil plants?

1st Place

Xavier Mokhberi - French International School of Philadelphia - 6th - 8th Grade

MS-BOT-003 - The Impact of Companion Planting on Corn

Chemistry

Honorable Mention

Abigail Hendricks - Indian Crest Middle School - 6th - 8th Grade

MS-CHM-006 - What is effect of water bottle brand on duration of ice?

Mikayla Mindlin - Cedarbrook Middle School - 6th - 8th Grade

MS-CHM-021 - How do different liquids affect the quality of popping boba?

3rd Place

George Koenig - French International School of Philadelphia - 6th - 8th Grade

MS-CHM-015 - Does Salt Melt Ice?

2nd Place

Harrison James - Indian Valley Middle School - 6th - 8th Grade

MS-CHM-007 - How Does Thermal Variation Affect the Voltage of a Battery?

1st Place

Camille Leggett - Arcola Middle School - 6th - 8th Grade

MS-CHM-020 - The Science Behind Lip Balm

Computer Science

Honorable Mention

Andrew Gabriel - Indian Valley Middle School - 6th - 8th Grade

MS-CMP-002 - Humans vs AI Which is Better at Video Games

3rd Place

Baptiste Champagne - French International School of Philadelphia - 6th - 8th Grade

MS-CMP-001 - easy traffic

2nd Place

Ava Henry - Cedarbrook Middle School - 6th - 8th Grade

MS-CMP-005 - Machines with Mindsets: Does AI Align with the Real World?

1st Place

Bryn Hamilton - Arcola Middle School - 6th - 8th Grade
MS-CMP-004 - Does AI Have Gender Bias?

Consumer Science**Honorable Mention**

Iniya Kumar - Indian Valley Middle School - 6th - 8th Grade
MS-CSR-010 - Does Your Opinion Affect Your Tatse?
Emmett Moyer - Indian Valley Middle School - 6th - 8th Grade
MS-CSR-012 - Does Braid Test Line Hold up Better Than Monofilament Line

3rd Place

Ileana Scarchilli - French International School of Philadelphia - 6th - 8th Grade
MS-CSR-009 - Paper vs Pixels: Unveiling the Effects of Testing Method on Academic Success

2nd Place

Edward La Barr - Cedarbrook Middle School - 6th - 8th Grade
MS-CSR-011 - What Happens When You Replace Baking Powder With Baking Soda?

1st Place

Leo Gest - Cedarbrook Middle School - 6th - 8th Grade
MS-CSR-005 - Color Me This: How Does Color Affect Food Product Appeal?

Earth & Space Science**3rd Place**

Zoë Redemann - French International School of Philadelphia - 6th - 8th Grade
MS-E&S-003 - Gravity and orbit

2nd Place

Elsie Diddle - French International School of Philadelphia - 6th - 8th Grade
MS-E&S-002 - Earth Quakes, Building Shakes, Nothing Breaks

1st Place

Liam Crop - French International School of Philadelphia - 6th - 8th Grade
MS-E&S-001 - Earth: the world's biggest heater

Engineering**Honorable Mention**

Emmett Meyer - Armenian Sisters Academy - 6th - 8th Grade
MS-ENG-009 - Wind Power

3rd Place

Jacob Leatherman - Indian Valley Middle School - 6th - 8th Grade
MS-ENG-011 - Testing Different Materials Heat Conductivity

2nd Place

Emma Frank - Cedarbrook Middle School - 6th - 8th Grade
MS-ENG-004 - Water You Waiting For? How Water Filters Affect Dirty Water

1st Place

Elyse Mousley - French International School of Philadelphia - 6th - 8th Grade
MS-ENG-006 - elevating science

Environmental Science**Honorable Mention**

Shaivi Karmani - Indian Valley Middle School - 6th - 8th Grade
MS-ENV-010 - Filtering Water, Saving Lives

3rd Place

Fatimah Sylla - French International School of Philadelphia - 6th - 8th Grade
MS-ENV-004 - Turning Sunlight Into Clean Water

2nd Place

Eli Kozielec - Indian Valley Middle School - 6th - 8th Grade
MS-ENV-009 - Do water filters or purifying tablets purify water better

1st Place

Zoe Mamzic - Indian Valley Middle School - 6th - 8th Grade
MS-ENV-007 - Green Lane Reservoir's Affect on Water Cleanliness

Mathematics**3rd Place**

Kenneth McKether III - French International School of Philadelphia - 6th - 8th Grade
MS-MTH-003 - beyond the Fibonacci sequence

2nd Place

Penelope Cote - French International School of Philadelphia - 6th - 8th Grade
MS-MTH-002 - The magic of Ilusion

1st Place

Elliott Boyd - French International School of Philadelphia - 6th - 8th Grade
MS-MTH-001 - Benford's law for growth

Medicine & Health**Honorable Mention**

Arianna Chau - Indian Valley Middle School - 6th - 8th Grade
MS-MED-004 - Which Herb Exhibits the Most Antibacterial Properties?
Shivam Shah - Penndale Middle School - 6th - 8th Grade
MS-MED-002 - Drinks effects on teeth

3rd Place

Aminata Sylla - French International School of Philadelphia - 6th - 8th Grade
MS-MED-009 - Cardiac Crisis Detector

2nd Place

Benjamin Crino - Indian Valley Middle School - 6th - 8th Grade
MS-MED-005 - The Effect of Blood Output With Atherosclerosis Vessels Rather than Healthy Vessels

1st Place

Shannon Strunk - Indian Valley Middle School - 6th - 8th Grade
MS-MED-010 - Do you inherit your family's fingerprints?

Microbiology**3rd Place**

Jacob Klenieski - St. Mary Catholic School - 6th - 8th Grade
MS-MIC-002 - Dirty Mouth? Clean It Up

2nd Place

Jake Bano - Indian Valley Middle School - 6th - 8th Grade
MS-MIC-001 - Comparing Water Purity of Boiling to Solar Distillation

1st Place

Catherine Schindele - Indian Valley Middle School - 6th - 8th Grade
MS-MIC-003 - What Dish Soap Gets Rid of the Most Bacteria

Physics**Honorable Mention**

Emily Bieryla - Cedarbrook Middle School - 6th - 8th Grade
MS-PHY-004 - Bring Down the Heat? Color vs Heat Absorption & Emission

3rd Place

Rowan Wesch - Indian Crest Middle School - 6th - 8th Grade
MS-PHY-012 - What is the Effect of Shielding on Particles Seen?

2nd Place

Adan Ahmad - Indian Valley Middle School - 6th - 8th Grade
MS-PHY-001 - Dimples and Distance

1st Place

Ria Shankar - Pennbrook Middle School - 6th - 8th Grade
MS-PHY-016 - Impact Of Color On Light Absorption

Zoology**2nd Place**

Skylar Gonzalez - Cedarbrook Middle School - 6th - 8th Grade
MS-ZOO-002 - Which ones the ball?

1st Place

Siri Matta - Indian Valley Middle School - 6th - 8th Grade
MS-ZOO-003 - Chemical vs Physical Oil Spill Cleanup Methods

General Awards Note

The following have been promoted to DVSF. You will receive notification from them.

A - D Fair 1st, 2nd, 3rd will go to DVSF

MS Fair 1st and 2nd will go to DVSF