

Category Awards

Behavioral and Social Sciences

Senior First Place, Molly McGowan, Red, White, and You!

Senior Second Place, Joshua Culver, Video Game Pulse

Junior First Place, Athena Cohe, If "Wii" Text "Wii" Die

Junior Second Place, Arthum Anil Shah, Trick Your Brain

Biochemistry

Junior First Place, Madisson Wood, Calories Up in Smoke

Cellular and Molecular Biology

Senior First Place, Aparna Sajja, Transgenic Zebratism Retinas

Chemistry

Senior First Place, Jennifer Lyons, Aircraft Survivability and Biofuels

Senior Second Place, Molly Tracy, Is Beauty Worth the Risk?

Senior Third Place, Joshua Morrison, Titration of Vitamin C in Orange Juice

Junior First Place, Victoria Lusk, Flamin' Fabrics II

Junior Second Place, Sarita Lee, Exploding Kitchens

Junior Third Place, Ashton Frech, Balloon Blast

Computer Science

Junior First Place, Robert Vandegrift, How's My Orbit?

Junior Second Place, Rachel Romano, The Need for Speed (Internet Speed_

Earth and Planetary Science

Senior First Place, Michelle Dennis, God Made Dirt and Dirt Don't Hurt

Junior First Place, Lindsay Hanf, Skyglow: High or Low?

Engineering: Materials and Bioengineering,

Senior First Place, Sara Moore, Get Your Head in the Game

Senior Second Place, Alison Treglia, Soak Up the Sun

Senior Third Place, Mary Norton, Does the Bat Matter?

Senior Third Place, Kasey Hegwood, Supersonic

Junior First Place, Kelly McGowan, Double, Double, Soil and Rubble

Junior Second Place, Paulina Motamed, The Strongest Bridge

Junior Third Place, Anna Williams, Moon Bridges

Engineering: Electrical and Mechanical

Senior First Place, Megan Triplett, Defeating Infrared Triggered IED's

Senior Second Place, Nicholas Oliver, Autonomous Robot Navigation

Senior Third Place, Robert Croxson, Suspension Bridge Design Enhancements

Junior First Place, Christina Wirth, Electromagnetic Pulse Accelerator

Junior Second Place, Christopher Limjuco, Hang Glides and Ridges

Junior Third Place, Michael Dalgetty, A Bright Idea

Energy and Transportation

Senior First Place, Joseph Vandegrift, Determining Lift and Drag Coefficient

Senior Second Place, Zachary Lusk, Reality of the Rechargeable

Senior Third Place, Matt Eastburg, Soda Straw Rockets Take to Flight

Senior Third Place, Ken Gill, Static Load Hydroplaning Part B

Junior First Place, Henry Ulrich, Best Blades for Your Wind Mill

Junior Second Place, Madeline Roberts, A Different Take on a Pellet Stove

Junior Third Place, Samantha Schwalbe, Bright Ideas

Junior Third Place, Christopher Chandler, It's Reflectric

Environmental Science

Senior First Place, Christian Burton, Seasonal Variation in Bay Pollution
Senior Second Place, Davis Kellogg, Do Medicines Harm Plant Life?
Junior First Place, Neil Patel, Wildfires: Destruction or Benefit?
Junior Second Place, Patrizia Pelington, Say It' Ain't So - With Lead In It
Junior Third Place, Victoria Murray, Don't Get Lead Down the Wrong Path

Environmental Management

Senior First Place, Shefali Shah, To Clay or Not to Clay?
Junior First Place, Annie Imhof, Monitoring Oyster Spat Growth
Junior Second Place, Isabelle Lopez, Snacking Goes Green
Junior Third Place, Meghan Scassero, Boy, That's Slick!

Mathematical Sciences

Junior First Place, Patrick Offenbacher, The Monty Hall Problem: Stick or Switch?
Junior Second Place, Owen Burke, Baseball's Chance at a Glance

Medicine and Health Science

Senior First Place, Kelles Gordge, Critical Point of View
Senior Second Place, Daniel Morris, Tooth Decay from Common Drinks
Junior First Place, Quinn Alsheimer, Can You Hear Me Now?
Junior Second Place, Reema Patel, Hand Hygiene
Junior Second Place, Rose Young, Fly on the Banana
Junior Third Place, Edward Gesser, Home Radiation Exposure

Microbiology

Senior First Place, Rohan Kankaria, Which Antiseptic Kills the Most Bacteria?
Senior Second Place, Emma Holmes, The Health Risks of Cell Phones
Junior First Place, Nicholas Ragland, Fruits' Antioxidant "Punch!"
Junior Second Place, Taylor Brown, To Mold or Not to Mold

Physics and Astronomy

Senior First Place, Connor Alsheimer, Thunder, Volts, and Lightning
Senior First Place, Bradley Post, Aerodynamic Drag on Different Shapes
Junior First Place, Gregory Sowa, Gone Fishing
Junior First Place, Aleksander Glut, The Fastest Way to Cool a Beverage
Junior Second Place, Emma Mattingly, Ice, Ice Baby
Junior Third Place, Michelle Beaulieu, Star Wars vs. Magnets: Force

Plant Science

Senior First Place, Julia Lynn, Sugar + Water = Photosynthesis
Junior First Place, Rupali Shah, Chemical Overdose
Junior Second Place, Michaela Langley, Got Soil?

Sparkle Awards

Senior Winner, Molly Tracy, Is Beauty Worth the Risk?
Senior Winner, Ashley Dennis, Law of Lacrosse: No Two Sticks are Created Equal
Senior Winner, Nicholas Oliver, Autonomous Robot Navigation
Senior Winner, Megan Triplett, Defeating Infrared Triggered Improvised Explosive Devices
Senior Winner, Zachary Venables, Which Airfoil?
Senior Winner, Shefali Shah, To Clay or not to Clay?
Junior Winner, Laura Herbig, Catch Me If You Can
Junior Winner, Victoria Lusk, Flamin' Fabrics II
Junior Winner, Christalyn Doig, CSI Mystery
Junior Winner, Lindsay Hanf, Skyglow: High or Low?

Junior Winner, Kelly McGowan, Double, Double Soil and Rubble
Junior Winner, Christopher Chandler, It's Reflectric
Junior Winner, Donald Varner, The Truth About Water-Poured Out
Junior Winner, Gregory Sowa, Gone Fishing
Junior Winner, Virginia Detrick, Caffeine' Catnip

Enrichment Award

Senior Division Enrichment Awards

Best Use of Inexpensive Materials, Robert Croxson – Suspension Bridge Design Enhancements
Best Presentation, Kelles Gordge – Critical Point of View
Best Correlation of Data, Aparna Sajja – Transgenic Zebratism Retinas
Best Correlation of Data, Kelles Gordge – Critical Point of View
Mike Moses Award for Best Teaching Aide, Connor Alsheimer – Thunder, Volts, and Lightning

Junior Division Enrichment Awards

Best Use of Inexpensive Materials, Madeline Roberts – A Different Take on a Pellet Stove
Best Presentation, Nicholas Ragland – Fruits' Antioxidant "Punch!"
Best Correlation of Data, Annie Imhof – Monitoring Oyster Spat Growth
Mike Moses Award for Best Teaching Aide, Kelly McGowan – Double, Double, Soil and Rubble

Special Awards

INCOSE

Senior First Place, Kelles Gordge – Critical Point of View
Senior Second Place, Sara Moore – Get Your Head in the Game
Senior Award, Nicholas Oliver – Autonomous Robot Navigation
Junior First Place, Becca Marsh – Clean Cash
Junior Second Place, Paulina Motamed – The Strongest Bridge
Junior Award Christina Wirth – Electromagnetic Pulse Accelerator
Junior Award Christopher Chandler – It's Reflectric

Lockheed Martin

DaVinci Award, Jennifer Lyons – Aircraft Survivability
DaVinci Award, Katie Jahn – Don't Crib My Fence
DaVinci Award, Gregory Sowa – Gone Fishing

The Patuxent Partnership

Senior Aeronautics/Aerospace Project Award, Jennifer Lyons – Aircraft Survivability and Biofuels
Senior Electrical/Electronics Project Award, Megan Triplett – Defeating Infrared Triggered IED's
Senior Environmental, Shefali Shah – To Clay or Not to Clay
Senior Physical/Life-Science Project Award, Aparna Sajja – Transgenic Zebratism Retinas
Junior Aeronautics/Aerospace Project Award, Christopher Limjuco – Hang Glides and Ridges
Junior Electrical/Electronics Project Award, Michael Dalgetty – A Bright Idea
Junior Environmental, Cameron Tucker – Compost Conundrum
Junior Physical/Life-Science Project Award, Annie Imhof – Monitoring Oyster Spat Growth

The Potomac River Association

Senior Division Winner, Shefali Shah – To Clay or Not to Clay
Junior Division Winner, Meghan Scassero – Boy That's Slick

The Robert and Barbara Herbig Awards

Senior Division Winner, Molly McGowan – Red, White and You!
Junior Division Winner, Athena Cohen – We Text We Die

SMECO

Senior Division Winner, Bradley Tremel – The Power of Wind

Junior Division Winner, Christopher Chandler – It's Reflectric

Society of Women Engineers

Senior Award, Megan Triplett – Defeating Infrared Triggered IED's

Senior Award, Ashley Dennis – No 2 Sticks Are Created Equal

Senior Award, Alison Treglia – Soak Up the Sun

Junior Award, Christina Wirth – Electromagnetic Pulse Accelerator

Junior Award, Paulina Motamed – The Strongest Bridge

Junior Award, Becca March – Clean Cash

Junior Award, Kelly McGowan – Double, Double, Soil and Rubble

Junior Award, Rachel Romano – The Need for Speed (Internet Speed)

Southern Maryland Association of Realtors

Senior Division Grand Award Winner, Aparna Sajja – Transgenic Zebratism Retinas

Southern Maryland Audubon Society

Senior First Place, Christian Burton - Seasonal Variation in Chesapeake Bay Pollution

Junior First Place, Annie Imhof – Monitoring Oyster Spat Growth

Southern Maryland Resource Conservation and Development Board

Senior First Place, Shefali Shah – To Clay or Not to Clay

Senior Second Place, Christian Burton – Seasonal Variations in Bay Pollution

Junior First Place, Annie Imhof – Monitoring Oyster Spat Growth

Junior Second Place, Kelly McGowan – Double, Double, Soil and Rubble

St. Mary's Hospital

Senior Award Cellular and Molecular Biology, Aparna Sajja – Transgenic Zebratism Retinas

Senior Award Chemistry, Jennifer Lyons – Aircraft Survivability and Biofuels

Senior Award Microbiology, Rohan Kankaria – Which Antiseptic Kills the Most Bacteria?

Senior Award Medicine and Health Sciences, Kelles Gordge – Critical Point of View

Junior Award Chemistry, Victoria Lusk – Flamin' Fabrics II

Junior Award Biochemistry, Madisson Wood – Calories Up in Smoke

Junior Award Medicine and Health Sciences, Quinn Alsheimer – Can You Hear Me Now?

Junior Award Microbiology, Nicholas Ragland – Fruits' Antioxidant "Punch!"

St. Mary's Soil Conservation District Award

Senior First Place, Shefali Shah – To Clay or Not to Clay

Junior First Place, Meghan Scassero – Boy That's Slick

Town Creek Garden Club

Senior Division, Davis Kellogg – Do Medicines Harm Plant Life?

Junior Division, Virginia Detrich – Caffeine Catnip

Unitarian Universalist Fellowship of Southern Maryland

Joseph Priestley Award – Presenter: Bill Triplett,

Senior Division, Jennifer Lyons – Aircraft Survivability and Biofuels

Junior Division First Place, Victoria Lusk – Flaming Fabrics

Junior Division Second Place, Ashton Frech – Balloon Blast

Junior Division Second Place, Sarita Lee – Exploding Kitchens

Water and Waste Operators Association

Senior Division, Christian Burton - Seasonal Variation in Bay Pollution

Junior Division, Patrizia Pelingon: Say it Ain't Soil – With Lead In It?

Wicomico Scenic River Commission

Senior Division Winner, Shefali Shah – To Clay or Not to Clay

Junior Division Winner, Meghan Scassero – Boy That’s Slick

Wyle Laboratories

Senior First Place, Sara Moore - Get Your Head in the Game

Senior Second Place, Zachary Venables - Which Airfoil?

Junior First Place, Henry Ulrich - Best Blades for your Windmill

Junior Second Place, Michael Dalgetty - A Bright Idea

SENIOR GRAND PRIZE,

Kelles Gordge, Critical Point of View

Aparna Sajja, Transgenic Zebratism Retinas

JUNIOR GRAND PRIZE,

Nicholas Ragland, Fruits' Antioxidant "Punch!"

Annie Imhof, Monitoring Oyster Spat Growth

The following St. Mary's County Science and Engineering Fair participants have been invited to compete at the Regional Prince George's Area Science and Engineering Fair in March 2011.

Senior Division

Aparna Sajja, Transgenic Zebratism Retinas
Bradley Post, Aerodynamic Drag on Different Shapes
Christian Burton, Seasonal Variation in Bay Pollution
Connor Alsheimer, Thunder, Volts, and Lightning
Jennifer Lyons, Aircraft Survivability and Biofuels
Joseph Vandegrift, Determining Lift and Drag Coefficient
Julia Lynn, Sugar + Water = Photosynthesis
Kelles Gordge, Critical Point of View
Megan Triplett, Defeating Infrared Triggered IED's
Michelle Dennis, God Made Dirt and Dirt Don't Hurt
Molly McGowan, Red, White, and You!
Rohan Kankaria, Which Antiseptic Kills the Most Bacteria?
Sara Moore, Get Your Head in the Game
Shefali Shah, To Clay or Not to Clay?
Alison Treglia, Soak Up the Sun
Daniel Morris, Tooth Decay from Common Drinks
Davis Kellogg, Do Medicines Harm Plant Life?
Emma Holmes, The Health Risks of Cell Phones
Joshua Culver, Video Game Pulse
Molly Tracy, Is Beauty Worth the Risk?
Nicholas Oliver, Autonomous Robot Navigation
Zachary Lusk, Reality of the Rechargeable

Junior Division

Alexsander Glut, The Fastest Way to Cool a Beverage
Annie Imhof, Monitoring Oyster Spat Growth
Athena Cohen, If "Wii" Text "Wii" Die
Christina Wirth, Electromagnetic Pulse Accelerator
Gregory Sowa, Gone Fishing
Henry Ulrich, Best Blades for Your Wind Mill
Kelly McGowan, Double, Double, Soil and Rubble
Lindsay Hanf, Skyglow: High or Low?
Madisson Wood, Calories Up in Smoke
Neil Patel, Wildfires: Destruction or Benefit?
Nicholas Ragland, Fruits' Antioxidant "Punch!"
Patrick Offenbacher, The Monty Hall Problem: Stick or Switch?
Quinn Alsheimer, Can You Hear Me Now?
Robert Vandegrift, How's My Orbit?
Rupali Shah, Chemical Overdose
Victoria Lusk, Flamin' Fabrics II
Rose Young, Fly on the Banana
Arthum Anil Shah, Trick Your Brain
Christopher Limjuco, Hang Glides and Ridges
Emma Mattingly, Ice, Ice Baby
Isabelle Lopez, Snacking Goes Green
Madeline Roberts, A Different Take on a Pellet Stove
Michaela Langley, Got Soil?
Owen Burke, Baseball's Chance at A Glance
Patrizia Pelington, Say It' Ain't So - With Lead In It
Paulina Motamed, The Strongest Bridge
Rachel Romano, The Need for Speed (Internet Speed)

Reema Patel, Hand Hygiene

Sarita Lee, Exploding Kitchens

Taylor Brown, To Mold or Not to Mold