

**Baltimore Science Fair
Howard County Public School System**

High School Level

1st Place Biological Science Students: Nitin Raghu and Niket Payesh Jhaveri School: Wilde Lake High School Teacher: Susheela Varma Title of Project: <i>Color Vision</i>	1st Place Physical Science Student: Sarah Ihab Kamel School: Centennial High School Teacher: Michelle Bagley Title of Project: <i>Calibration of MR Spectroscopy for the Calculation of Metabolite Concentration in Pediatric Volunteers and in Children with Brain Tumors</i>
2nd Place Biological Science Student: James Courtney IV School: Glenelg High School Teacher: Leigh Feagans Title of Project: <i>The Effect of Salinity on the Filtration Rate of Oysters</i>	2nd Place Physical Science Student: Sarah Jane Morrison School: Atholton High School Teacher: Donna Schwab Title of Project: <i>What was Burying the Craters in the Martian Southern Highlands?</i>
Honorable Mention Biological Science Students: Shyam R. Srinivasan and Max Emmerling School: Centennial High School	Honorable Mention Physical Science Students: Meaghaun Guyander and Elise Valkanas School: Glenelg High School
Students: Judy Hao, Diana Acam Lee, Rachel Devadas, William Cribbs School: River Hill High School	Students: Maya Agarwal and Kahini M. Shah School: River Hill High School

Middle School Level

1st Place Biological Science Student: Mackenzie Burnett School: Dunloggin Middle School Teacher: Title of Project: <i>The Allelopathic Effects of Cereal Rye Straw on Dandelion Seed</i>	1st Place Physical Science Student: Ben Derek Eve School: Hammond Middle School Teacher: Elaine Viggiano Title of Project: <i>The Effect of Terrestrial Light Pollution on the Visibility of Astronomical Objects</i>
2nd Place Biological Science Student: Jocelyn Kojzar School: Folly Quarter Middle School Teacher: Carrie Marusich Title of Project: <i>Busy Bees</i>	2nd Place Physical Science Student: Jared M. Seifter School: Burleigh Manor Middle School Teacher: Robert Moy Title of Project: <i>Evolutionary Changes in the Aperture and Umbilicus of the Extinct Gastropod Ecphora</i>
Honorable Mention Student: Adrienne Greenberg and Olivia Ostrom School: Folly Quarter Middle School	Honorable Mention Physical Science Student: Ryan Dorson School: Lime Kiln Middle School
	Student: Hank Zwally and Shoshanna Nachman School: Dunloggin Middle School

Specialty Awards High School

Atholton High School

American Meteorological Society:
Sarah Jane Morrison

Centennial High School

Maryland Society for Clinical Laboratory Science:
Sarah Ihab Kamel

U.S. Army: Sarah Ihab Kamel

NSA: Amir Sadoughi, Ari Benjamin Seifter,
Christopher Anthony David Anderson

U.S. Office of Naval Research:
Sarah Ihab Kamel

Scientific American Awards: Sarah Ihab Kamel

American Society for Quality: Sarah Ihab Kamel

U.S. Dept. of Health and Human Services:
Shyam R. Srinivasan

Intel: Amir Sadoughi

Lockheed Martin: Xin Zhou

Glenelg High School

U.S. Metric Association: James Courtney IV

American Psychological Association:
Miranda Yourick

U.S. Army: Miranda Yourick

National Society of Professional Engineers:
Ross Asato, Christopher Iglehart

American Society for Quality: Ross Asato,
Christopher Iglehart

Marriotts Ridge High School

Maryland Society for Clinical Laboratory Science:
Wendy Zhang
Scientific American: Wendy Zhang

River Hill High School

Maryland Society for Clinical Laboratory Science:
Nathaniel Counts

U.S. Army: Judy Hao, Maya Agarwal

NSA: Maya Agarwal

Mu Alpha theta: Maya Agarwal

Specialty Awards Middle School

Burleigh Manor Middle School

U.S. Army: Jared M. Seifter

Discovery Channel: Jared M. Seifter

U.S. Air Force: Jared M. Seifter

Dunloggin Middle School

Maryland Society for Clinical Laboratory Science:
Kaiwen Zhang

U.S. Army: Hank Zwally

NOAA: Hank Zwally

American Meteorological Society:
Hank Zwally

Scientific American: Mackenzie Burnett

American Society for Quality:
Soshanna Nachman

Discovery Channel: Mackenzie Burnett,
Hank Zwally

Lockheed Martin: Hank Zwally

Ellicott Mills Middle School

NSA: Alexander Lo

Folly Quarter Middle School

NSA: Amelia Baronowsky

Office of Naval Research: Olivia Ostrom

Discovery Channel: Jocelyn Kojzar,
Adrienne Greenberg

Lockheed Martin: Adrienne Greenberg,
Timothy Higgins

Hammond Middle School

American Meteorological Society:
Ben Derek Eve

Scientific American: Ben Derek Eve

Discovery Channel: Ben Derek Eve

Lime Kiln Middle School

NSA: Ryan M. Dorson

American Society for Quality: Ryan M. Dorson

U.S. Office of Naval Research:
Nathaniel Zalman Counts

American Society for Quality: Casey Jao

U.S. Dept. of Health and Human Services:
Nathaniel Zalman Counts

U.S. Air Force: Maya Agarwal

Lockheed Martin: Judy Hao

Wilde Lake High School

U.S. Army: Philip Alan Sandborn

Yale Science & Engineering Association:
Philip Sandborn

NSA: Philip Sandborn

Scientific American: Nitin Raghu. Niket Payesh
Jhaveri

Murray Hill Middle School

American Society for Quality:
Claire W. McGrath, Danielle Marie Mohabir,
Katherine Michelle Gaverth