

## **Grand Awards**

### **Junior Grand Award**

1st Place - Sara Moore, Spring Ridge Middle School, Feathered Flight Simulator

2nd Place - Mary Williams, St. John's School, Can You Guess?

### **Senior Grand Awards**

1st Place - Julie Walker, Leonardtown High School, Look at this MES Mars Environmental Simulator III

## **Junior Division Categories**

### **Animal Sciences**

1st Place - Sara Moore, Spring Ridge Middle School, Feathered Flight Simulator  
Friends of Agricultural Research

### **Behavioral and Social Sciences**

3rd Place - Molly McGowan, Spring Ridge Middle School, Can You Spot It?

Association of Practicing Psychologists of Montgomery and Prince George's Counties

Honorable Mention - Lovell Rose, Spring Ridge Middle School, The Eyes Have It  
Washington Statistical Society

### **Earth and Planetary Science**

1st Place - Alex Ragland, Father Andrew White School, International Plant Station

### **Energy and Transportation**

1st Place - Robert Vandegrift, Spring Ridge Middle School, Rocket Fin Aerodynamics  
AIAA Certificate

### **Engineering (Electrical and Mechanical)**

2nd Place - Douglas Post, Spring Ridge Middle School, Wonderful Water Turbines  
ASME Washington DC Section

Honorable Mention - Hailey Dodges, Spring Ridge Middle School, Build A Better Levee  
Society of Women Engineers

### **Engineering (Materials and Bioengineering)**

1st Place - Lance Casimir, Mother Catherine Spalding School, Magnets and Temperature

Honorable Mention - Madeline Taylor, St. John's School, Every Drop Counts

### **Mathematical Sciences**

1st Place - Mary Williams, St. John's School, Can You Guess?  
Office of Naval Research/Naval Science Awards Program

### **Medicine and Health**

2nd Place - Matthew Johnson, Father Andrew White School, Homework: Helpful or Harmful?  
USPHS Certificate

### **Physics and Astronomy**

Honorable Mention - Mary Sullivan, Spring Ridge Middle School, Sound: Does Air Pressure Affect It?

## **Senior Division Categories**

### **Cellular and Molecular Biology**

2nd Place - Aparna Sajja, Leonardtown High School, Effects of Apoptosis on RBC's  
Society for Invitro Biology  
Public Health Service

### **Chemistry**

Honorable Mention - Bryan Daly, Chopticon High School, How to Know Which Way to Go to Purify Your H2O  
Patent and Trademark Office Society Certificate

### **Energy and Transportation**

1st Place - Kristina Dronenburg, Great Mills High School, Make Some Noise!  
Office of Naval Research/Naval Science Awards Program  
Central Intelligence Agency (CIA)  
UMBC Scholarship

### **Engineering (Electrical and Mechanical)**

1st Place - Julie Walker, Leonardtown High School, What a MES Mars Environmental Simulator  
National Capital Astronomers  
PTOS Certificate  
National Space Club  
AIAA Certificate  
United States Air Force  
George Washington University Engineering Alumni Association  
Scholarship to Space Camp or Aviation Challenge  
UMBC Scholarship  
Ota Award

3rd Place - Emma Frank, Great Mills High School, The Albatross Alternative  
PTOS Certificate  
American Institute for Aeronautics and Astronautics  
ASME Washington D.C. Section  
George Washington University Engineering Alumni Association  
Central Intelligence Agency (CIA)

Honorable Mention - Alex Klapka, Great Mills High School, Tennis Enhancements: Hype or Substance  
PTOS  
George Washington University Engineering Alumni Association

Honorable Mention - Kelles Gordge, Great Mills High School, Global Meltdown! Phase II  
ASNE-SNAME Committee on Environmental Engineering (CEE)  
GWIS Certificate  
Inspiring Excellence Certificate  
U.S. Metric Association

Honorable Mention - Mark Ragland, St. Mary's Ryken High School, Submerged Laser Communication  
IEEE Certificate  
Optical Society of America  
Most Outstanding Exhibit in Materials Science  
Office of Naval Research/Naval Sciences Awards Program  
Central Intelligence Agency (CIA)

**Engineering (Materials and Bioengineering)**

1st Place - Megan Triplett, Great Mills High School, Investigating Melted Granite  
Inspiring Excellence Certificate  
Association for Women GeoScientists

**Environmental Analysis**

1st Place - Shefali Shah, Great Mills High School, The Big, The Bad, The Small, Part II  
Central Intelligence Agency (CIA)  
GWIS Certificate  
Washington Statistical Society

3rd Place - Alexa Cohen, Great Mills High School, Breton Bay: Alarming or Charming?  
Best in Presentation Award  
2nd Place Geological Society of Washington  
Public Health Service

**Environmental Management**

Honorable Mention - Robert Binger and Chris Egan, Chopticon High School, How Does Storage Affect Rate of  
Decay in Produce?  
Public Health Service

**Physics and Astronomy**

3rd Place - Ben Godwin, Chopticon High School, Overtones in Musical Instruments  
George Washington University Engineering Alumni Association