

PRINCE GEORGE'S AREA SCIENCE FAIR

April 2, 2006

| | | | | | |
|--------|---------|---------------|-----------|---|-----------------------|
| | | Senior | | PGCC Scholarship | |
| S-0812 | Daniel | Kucin | | Crayfish Survey | DuVal |
| | | Senior | | UMCP Scholarship | |
| | | Senior | | UMBC Scholarship | |
| S-0502 | Eric | Lamison-White | | Bluesniping Rifle - Target Bluetooth Security | Bowie |
| S-1006 | Silpa | Thaivalappil | | BAG-Family Stress Response in Breast Cancer | Eleanor Roosevelt |
| | | Junior | | Grand Award | |
| 1 | J-0504 | Patrick | Husson | Can a Picture Hide a Thousand Words? | St. Columbia |
| 2 | J-0203 | Claire | Flintoff | The Good, the Bad, and the Oily | Robert Goddard French |
| | | Senior | | Grand Award | |
| 1 | S-0602 | Aarisha | Shrestha | Environmental Study of Early Eukaryotes | Eleanor Roosevelt |
| 2 | S-1306 | Julie | Walker | The Dust Devils Did It - Wind Erosion... | Leonardtwn |
| | | Junior | | Team Award | |
| | | Senior | | Team Award | |
| 1 | S-0760A | Jay | Carson | Self-Healing Struts | Charles H. Flowers |
| 1 | S-0760B | Eletha | Flores | Self-Healing Struts | Charles H. Flowers |
| 2 | S-0560A | Stephanie | Galanie | Make Me a Match | Leonardtwn |
| 2 | S-0560B | Diane | Mattingly | Make Me a Match | Leonardtwn |
| 3 | S-1261A | Lauren | Schwartz | Oh My Gosh: Rotation | Northern |
| 3 | S-1261B | Lia | Rios | Oh My Gosh: Rotation | Northern |
| | | Junior | | Howard B. Owens | |

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|---------|-----------|------------|---|--------------------------|
| J-1205 | Kara | Dameron | How Size and Weight Affect Bernoulli Law | St. Philip the Apostle |
| | Senior | | Howard B. Owens | |
| S-0106 | Alice | Murphy | The Mistaken Identity | Eleanor Roosevelt |
| | Senior | | Ota | |
| S-0718 | Robert | Pegg | How Aerodynamics Affect the Speed of ... | Leonardtown |
| | Junior | | Best Presentation | |
| J-0101 | Patrick | Hanus, Jr. | Impatient Intersections | St. Mary's of Piscataway |
| J-0202 | Joy | Fischi | Process of DNA Fingerprinting | St. Philip the Apostle |
| J-0306 | Sean | Halper | Effect of Colored Light on Plants | Martin L. King |
| J-0405 | Greta | Chwalek | Have a Woody Day | St. Jerome |
| J-0503 | Angelisa | Plane | What Sort of Sort Changes with the Range? | Thomas Pullen |
| J-0602 | Johnny | Houser | Power of pH | Father Andrew White |
| J-0704 | Lauren | Jones | It Goes and Goes and Goes | John Hanson |
| J-0809 | Patrick | Sensenig | Clean Enough to Drink | St. Columbia |
| J-0902 | Ursula | Tooley | The Butterfly Effect | Robert Goddard French |
| J-1005 | Jennifer | Randolph | The Rhythm and Blues of Salty Foods | Martin L. King |
| J-1207 | Andrew | DeGennaro | Can What You Wear Cause You to Explode? | St. Philip the Apostle |
| J-1302 | Brandyn | Phillips | Going the Distance | St. Philip the Apostle |
| J-1405 | Kassidy | Kenney | Puritan Tiger Beetle | Plum Point |
| | Senior | | Best Presentation | |
| S-0105 | Anna | Leyson | Attraction to Distraction | Eleanor Roosevelt |
| S-0210 | Deborah | Shroder | Regulation of the ASAP1 Arf Gap Domain | Eleanor Roosevelt |
| S-0309 | Lauren | Stevens | Gene Expression in Arabidopsis Thaliana | Eleanor Roosevelt |
| S-0401 | Rishi | Banerjee | Optimization of Extraction of Phenolics | Eleanor Roosevelt |
| S-0560A | Stephanie | Galanie | Make Me a Match | Leonardtown |
| S-0560B | Diane | Mattingly | Make Me a Match | Leonardtown |
| S-0602 | Aarisha | Shrestha | Environmental Study of Early Eukaryotes | Eleanor Roosevelt |
| S-0710 | Fatmata | Koroma | Efficient Trusses | Charles H. Flowers |
| S-0820 | Maia | McWilliams | Effect of Waterfowl on E.Coli Count | Eleanor Roosevelt |

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|----|--------|-----------|------------|--|---------------------------|
| | S-0902 | Hanna | Froe | Statistically Spelling Doubled | Oxon Hill |
| | S-1001 | Brandon | Battle | Sugar vs. Substitutes | Surrattsville |
| | S-1110 | Praveen | Ramaswamy | Dirty Dispensers | Leonardtwn |
| | S-1205 | Bobby | Henry, III | Does Friction Influence Distance? | Jericho Christian Academy |
| | S-1306 | Julie | Walker | The Dust Devils Did It - Wind Erosion... | Leonardtwn |
| | S-1403 | Robert | Walker | Solution Tests Improving Apoidea Catches | Eleanor Roosevelt |
| | | Junior | | Behavioral and Social Sciences | |
| 1 | J-0101 | Patrick | Hanus, Jr. | Impatient Intersections | St. Mary's of Piscataway |
| 2 | J-0102 | Shayna | Lutkewitte | Do You See What I See? ... | Holy Angels Sacred Heart |
| 3 | J-0103 | Latia | Scott | Shopping | Gwynn Park |
| | | Junior | | Biochemistry | |
| 1 | J-0203 | Claire | Flintoff | The Good, the Bad, and the Oily | Robert Goddard French |
| 2 | J-0205 | Jacquelyn | Picciani | No One Likes a Bad Apple | Samuel Ogle |
| 3 | J-0208 | James | Stockton | Citric-Electricity | Concordia Lutheran |
| HM | J-0206 | Samuel | Reynnells | Egg Quality | Martin L. King |
| HM | J-0207 | Ian | Smith | Crossing the Membrane: Its Osmotic | St. Pius X Regional |
| P | J-0201 | Simone | Canty | C for Yourself | Kettering |
| P | J-0202 | Joy | Fischi | Process of DNA Fingerprinting | St. Philip the Apostle |
| P | J-0204 | Wesley | Meredith | Biodiesel | Gwynn Park |
| P | J-0209 | Tiara | Whigham | Comparing Apples to Oranges | St. Columbia |
| | | Junior | | Botany | |
| 1 | J-0308 | Caitlin | Megonigal | CO2 - Is It Good for You? | Northern |
| 2 | J-0304 | Jeffrey | Ellis | Seed Germination | Thurgood Marshall |
| 3 | J-0302 | Courtney | Campbell | Hydroponics | Jericho Christian Academy |
| HM | J-0306 | Sean | Halper | Effect of Colored Light on Plants | Martin L. King |
| P | J-0301 | Megan | Alter | Determination for Germination | St. Pius X Regional |
| P | J-0305 | Ekama | Eni | Coffee Beans | Ernest E. Just |
| P | J-0307 | Gregory | Hay | Salty Plants | Leonardtwn |
| P | J-0310 | Wesley | Hill | Which Soda Has the Most Kick? | St. Columbia |
| | | Junior | | Chemistry | |
| 1 | J-0405 | Greta | Chwalek | Have a Woody Day | St. Jerome |
| 2 | J-0404 | Elena | Casale | 20,000 Leagues Under the Sea | St. Mary's of Piscataway |

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|----|--------|------------|----------|--|---------------------------|
| 3 | J-0415 | Andrew | Lee | Put the Fire Out | St. Jerome |
| HM | J-0413 | Lauren | Santi | Battle of the Batteries | St. Mary's of Piscataway |
| HM | J-0414 | Matthew | Williams | Felt Facts | Greenbelt |
| P | J-0401 | Ayah | Belal | Bricks and Heat Absorbing or Reflecting | Hyattsville |
| P | J-0402 | Sean | Braxton | Eat Your Vegetables...OK, Which Type? | Thomas Johnson |
| P | J-0403 | Nelson | Carr | "ICY" | Thomas Johnson |
| P | J-0406 | Shelby | Franklin | Browning Apples | John Hanson |
| P | J-0407 | Shane | Hyde | Igniting and Burn Time of Matrial | Concordia Lutheran |
| P | J-0408 | Antoinette | Jackson | Does Temperature Affect a Chemical Reaction? | Jericho Christian Academy |
| P | J-0409 | Kerry | King | H2Orange | Greenbelt Middle |
| P | J-0410 | Jasper | McElrath | Salt, Sugar, Alcohol and Ice Cubes | Robert Goddard French |
| P | J-0411 | SieAera | Monroe | The Teary Tampon | Thurgood Marshall |
| P | J-0412 | Jared | Robinson | How Do I Dissolve My Pain? | Thomas Pullen |

Junior

Computer Science

| | | | | | |
|---|--------|----------|----------|---|-----------------|
| 1 | J-0504 | Patrick | Husson | Can a Picture Hide a Thousand Words? | St. Columbia |
| 2 | J-0502 | Donald | Gladden | More Bang for Your Buck! | Stephen Decatur |
| 3 | J-0503 | Angelisa | Plane | What Sort of Sort Changes with the Range? | Thomas Pullen |
| P | J-0501 | Barron | Benjamin | Computer Keyboards | Gwynn Park |

Junior

Earth Science

| | | | | | |
|----|--------|---------|---------|---|---------------------|
| 1 | J-0603 | Emily | Rhodes | Loam Sweet Loam | Hyattsville |
| 2 | J-0602 | Johnny | Houser | Power of pH | Father Andrew White |
| 3 | J-0601 | Arianna | Arnold | The Niagara Effect: Erosion by Water | Hyattsville |
| HM | J-0605 | Jasmin | Stuckey | Does Water Depth Affect the Power ... | Thomas Pullen |
| P | J-0604 | Austin | Spriggs | Are Your Suds Duds? Hard Water vs. Soft Water | Kettering |
| P | J-0606 | Allison | Delaney | The Effects of Temperature on Evaporation | Concordia Lutheran |

Junior

Engineering

| | | | | | |
|----|--------|----------|---------|---|---------------------|
| 1 | J-0707 | Mark | Ragland | Laser Com System | Father Andrew White |
| 2 | J-0701 | Michelle | Denny | Solar Energy A Bright Idea | Southern |
| 3 | J-0704 | Lauren | Jones | It Goes and Goes and Goes | John Hanson |
| HM | J-0703 | Jeffrey | Hopper | Solar Energy and Angle of Cell | Martin L. King |
| HM | J-0705 | Darius | Miles | Liquid Lubricannt Verses Solid Lubricant | Ernest E. Just |
| P | J-0702 | Cassidy | Harry | Copper vs. Fiber Optic for Transmitting Sound | Ernest E. Just |
| P | J-0706 | David | Pratico | Fighting Floodwaters | Concordia Lutheran |
| P | J-0708 | Roxanna | Salazar | Will it Collapse or Not? | Greenbelt |

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|----|--------|-----------|--------------|---|---------------------------|
| P | J-0709 | Bret | Yon | A Bridge Too Far | Samuel Ogle |
| | | Junior | | Environmental Science | |
| 1 | J-0806 | Aiesha | Marshall | How Green is Your Grass? | Thomas Pullen |
| 2 | J-0805 | Melvin | Johnson, Jr. | Water Filtration: Is it Necessary? | John Hanson |
| 3 | J-0802 | Matthew | Dowdle | How Much Trash? | Father Andrew White |
| HM | J-0809 | Patrick | Sensenig | Clean Enough to Drink | St. Columbia |
| P | J-0801 | Samara | Chamble | What's In Your Water? | Thomas Pullen |
| P | J-0804 | Paige | Johnson | An Explosion of Life | Gwynn Park |
| P | J-0807 | Cameron | Mitchell | Don't Drink From the Sink | John Hanson |
| | | Junior | | Mathematics | |
| 1 | J-0902 | Ursula | Tooley | The Butterfly Effect | Robert Goddard French |
| 2 | J-0901 | Gina | Holden | What's the Prob? | Leonardtown |
| | | Junior | | Medicine and Health | |
| 1 | J-1006 | Justine | Yu | Cirulatory Road System: A Circle of Life | Little Flower |
| 2 | J-1005 | Jennifer | Randolph | The Rhythm and Blues of Salty Foods | Martin L. King |
| 3 | J-1003 | William | Lyle, III | Vitamin C Yourself to Good Health | Jericho Christian Academy |
| HM | J-1001 | Amber | Frazier | A pHunny Cup of Tea | Greenbelt |
| HM | J-1002 | Tkeyah | Lake | Have You Seen the Battle of the Mouthwash? | Thomas Pullen |
| P | J-1004 | Richard | Mingo | What Proofs of Alcohol Will Dehydrate the ... | Thurgood Marshall |
| | | Junior | | Microbiology | |
| 1 | J-1101 | Lindsey | Leitera | Get the Dirt on Your Ice | Our Lady Star of the Sea |
| 2 | J-1102 | Patrick | Flaherty | A Light on Mold | St. Pius X Regional |
| 2 | J-1103 | Benjamin | McInnis | Why and How Fast Does Bread Mold and Grow | Concordia Lutheran |
| | | Junior | | Physics | |
| 1 | J-1214 | Zachary | Lester | Distance Resistance II | Ernest E. Just |
| 2 | J-1207 | Andrew | DeGennaro | Can What You Wear Cause You to Explode? | St. Philip the Apostle |
| 2 | J-1215 | Rachel | Livengood | Refraction in Liquids | Samuel Ogle |
| 3 | J-1201 | Ian | Arnold | Which Bridge is Stronger? | Hyattsville |
| 3 | J-1212 | Christian | Kalil | Hooke's Law | Greenbelt |
| 3 | J-1223 | Robert | Stewart | Racing With Angles | Martin L. King |

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| 3 | J-1227 | Lauren | White | Shedding a Little Light on the Subject | Plum Point Middle |
| HM | J-1209 | Jada | Green | How Strong Is the Attraction? | Thomas Pullen |
| HM | J-1210 | Matthew | Jackson | Air, What a DRAG! | Father Andrew White |
| HM | J-1220 | Keith | Payne | Coin Roll | John Hanson |
| HM | J-1222 | Christopher | Spriggs | Solar Stills the Cheap Bottled Water | Ernest E. Just |
| HM | J-1224 | Mary | Tran | Magnets Attract Steel Paper Clips ... | Greenbelt |
| P | J-1202 | Kenneth | Brown, III | Is Your Shot 90o | Gwynn Park |
| P | J-1203 | Steven | Cable | Scientific Symphony | Samuel Ogle |
| P | J-1205 | Kara | Dameron | How Size and Weight Affect Bernoulli Law | St. Philip the Apostle |
| P | J-1206 | Kyle | Dameron | A Levee's Shape and Its Performance | St. Philip the Apostle |
| P | J-1208 | Kristian | Dixon | Solar Energy - Improvements for a Better Future | St. Philip the Apostle |
| P | J-1211 | Kelly | Johnson | Flat or Sharp? | Greenbelt |
| P | J-1216 | Zachary | Mascom | Arrows Trajectory | St. Mary's of Piscataway |
| P | J-1219 | Chi-Chi | Ohiri | Watts in Your Light Bulb? | Thomas Johnson |
| P | J-1221 | Ebony | Smith | Show Your Glow | Ernest E. Just |
| P | J-1225 | Jiayi | Wang | Measuring the Fastest Speed in the World | Hyattsville |
| P | J-1226 | Joseph | Webb | CD Gets Left - Will It Pass the Test? | St. Mary's of Piscataway |

Junior

Space Science

| | | | | | |
|---|--------|---------|-----------|--|------------------------|
| 1 | J-1302 | Brandyn | Phillips | Going the Distance | St. Philip the Apostle |
| 2 | J-1301 | Kate | Bonnevier | Investigation of Cratering by Cosmic Objects | Leonardtown |

Junior

Zoology

| | | | | | |
|----|--------|---------|-------------|---------------------------------|---------------------|
| 1 | J-1404 | Gleanza | Industrious | Sugarfly Honey Munch | Charles Carroll |
| 2 | J-1405 | Kassidy | Kenney | Puritan Tiger Beetle | Plum Point |
| 3 | J-1402 | Victor | Garcia | Can of Worms: Regeneration | Concordia Lutheran |
| HM | J-1403 | Luke | Green | Shufflin' Shrimp | St. Pius X Regional |
| P | J-1401 | Markus | Brown | Does Weather Affect Frog Calls? | Martin L. King |

Senior

Behavioral and Social Sciences

| | | | | | |
|----|---------|--------|-----------|---|--------------------|
| 1 | S-0106 | Alice | Murphy | The Mistaken Identity | Eleanor Roosevelt |
| 2 | S-0101 | Gi-ann | Acosta | The Role of Size in Territorial Defense | Oxon Hill |
| 3 | S-0102 | Sasha | Allen | "Mammoday": Breast Cancer Screening | Charles H. Flowers |
| HM | S-0105 | Anna | Leyson | Attraction to Distraction | Eleanor Roosevelt |
| P | S-0104 | Asha | Fields | Give Em' Some Room | Charles H. Flowers |
| P | S-0109 | Gerrad | Taylor | The Lefty Logic | Charles H. Flowers |
| P | S-0160A | Sara | Peczowski | Laptop Effect on Child's View of Hospital | Eleanor Roosevelt |

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| P | S-0160B | Caitlin | Salins | Laptop Effect on Child's View of Hospital | Eleanor Roosevelt |
| | | Senior | | Biochemistry | |
| 1 | S-0205 | Kyle | Daniels | Extracellular Proteome of Bassiana | Eleanor Roosevelt |
| 2 | S-0210 | Deborah | Shroder | Regulation of the ASAP1 Arf Gap Domain | Eleanor Roosevelt |
| 3 | S-0203 | Cassandra | Baah | Antioxidants in Blueberries | Eleanor Roosevelt |
| HM | S-0202 | Camille | Acosta | Heat and Vitamin C | Oxon Hill |
| P | S-0201 | Kush | Abadey | Starchy Foods | Suitland |
| P | S-0204 | Jasmine | Brown | Extracting Onion DNA | Forestville Military Academy |
| P | S-0207 | Chinenye | Nwatu | Broccoli and Beyond | Gwynn Park |
| P | S-0211 | Ashley | Williams | How Does Vitamin C and Iron Content ... | Fairmont Heights |
| | | Senior | | Botany | |
| 1 | S-0307 | Ryan | Rhodes | Tagetitoxin Effects on Chromoplasts | Eleanor Roosevelt |
| 2 | S-0309 | Lauren | Stevens | Gene Expression in Arabidopsis Thaliana | Eleanor Roosevelt |
| 3 | S-0301 | Fadeke | Agboke | Genetic Analysis of Atcei2 and Atce14 Mutants... | Charles H. Flowers |
| HM | S-0306 | Kate | Monks | Caution: Oil Spills | Bowie |
| P | S-0302 | Jasmine | Bennings | Viroids and Tomato Growth and Development | Eleanor Roosevelt |
| P | S-0303 | Lauren | Craig | The Fruits are Fermenting | Bowie |
| P | S-0305 | Camessia | Johnson | What Can Plants Do With More CO2? | Oxon Hill |
| | | Senior | | Chemistry | |
| 1 | S-0401 | Rishi | Banerjee | Optimization of Extraction of Phenolics | Eleanor Roosevelt |
| 1 | S-0403 | Nicholas | Bruno | A Novel Compound for Deprotection... | Leonardtwn |
| 3 | S-0406 | Tayyiban | Hasan | Got Milk? | Suitland |
| HM | S-0411 | Aislan | Sims | Why is Tomato Sauce Corrosive? | Eleanor Roosevelt |
| P | S-0407 | Valerie | Hudson | How Do Your Plastics Stack Up? | Bowie |
| P | S-0412 | Eric | Switick | Satium or Potassium, and the Blue bottle... | Leonardtwn |
| P | S-0414 | Alexandra | Williams | M+M Chromatography | Gwynn Park |
| | | Senior | | Computer Science | |
| 1 | S-0502 | Eric | Lamison-White | Bluesniping Rifle - Target Bluetooth Security | Bowie |
| 2 | S-0504 | Robert | Nelson | WiFi Signal Strength | Leonardtwn |
| 3 | S-0501 | Elijah | Barrett | Programming a Tetrahedral Walker | Eleanor Roosevelt |
| P | S-0505 | Peter | Phelps | Tumbling Tetrahedrons | Eleanor Roosevelt |
| P | S-0560A | Stephanie | Galanie | Make Me a Match | Leonardtwn |

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|----|---------|-------------|--------------|---|---------------------------|
| P | S-0560B | Diane | Mattingly | Make Me a Match | Leonardtwn |
| | | Senior | | Earth Science | |
| 1 | S-0602 | Aarisha | Shrestha | Environmental Study of Early Eukaryotes | Eleanor Roosevelt |
| 2 | S-0603 | Luis | Nataniel, II | Predicting the Weather | Jericho Christian Academy |
| 3 | S-0601 | George | Arnold | Aircraft Measured Cloud Particle Phase | Eleanor Roosevelt |
| | | Senior | | Engineering | |
| 1 | S-0718 | Robert | Pegg | How Aerodynamics Affect the Speed of ... | Leonardtwn |
| 2 | S-0712 | Christopher | Lee | Environmentally Friendly Energy | Oxon Hill |
| 2 | S-0721 | Dibesh | Shrestha | Dynamics of Impact System | Eleanor Roosevelt |
| 3 | S-0707 | Stephanie | Hay | Help is on the Way: Emergency Structures ... | Leonardtwn |
| 3 | S-0710 | Fatmata | Koroma | Efficient Trusses | Charles H. Flowers |
| 3 | S-0713 | Dong | Lee | Improving a Projectile's Trajectory | Eleanor Roosevelt |
| 3 | S-0717 | Adam | Mohamed | 3D Steerable Magnetic Field Sensor | Eleanor Roosevelt |
| HM | S-0705 | Kendra | Gaskin | Effects of Pressure on Suspension Bridges | Gwynn Park |
| HM | S-0706 | Brian | Gorden | Best Blade Design | Oxon Hill |
| HM | S-0722 | Michael | Stevenson | Can Paper Structures Compete with Steel | Bowie |
| HM | S-0723 | John | Swann | Getting a Little "Lift" Out of a Wing ... | Suitland |
| HM | S-0725 | Wayne | Mitchell | The Hover Crafts Variable | Suitland |
| P | S-0701 | Abbigale | Boyd | Changing Concrete's Composition | Eleanor Roosevelt |
| P | S-0702 | Sylvia | Chin | Protein Semiconductor Parameterization | Eleanor Roosevelt |
| P | S-0703 | Justin | Donlan | Temperature verses Volts | Pallotti High School |
| P | S-0704 | Nick | Drummond | Effect of Building Material on Energy... | Pallotti High School |
| P | S-0711 | Jaquelyn | Koscho | Air Pressure | Oxon Hill |
| P | S-0714 | Sophia | Lee | Gone With the Wind | Oxon Hill |
| P | S-0716 | Shakir | Manners | Give Me the Bridge | Fairmont Heights |
| P | S-0720 | John | Scott | Solar Energy: A Bright Alternative to Fossil Fuel | Surrattsville |
| P | S-0724 | Leon | White | Solar Forge | Charles H. Flowers |
| P | S-0726 | Ryan | Moore | Flying Under the Radar | Patuxent |
| P | S-0760A | Jay | Carson | Self-Healing Struts | Charles H. Flowers |
| P | S-0760B | Eletha | Flores | Self-Healing Struts | Charles H. Flowers |
| P | S-0761A | David | Kent | Search and Destroy | Northern |
| P | S-0761B | Christoper | Odell | Search and Destroy | Northern |
| P | S-0761C | Brandon | Green | Search and Destroy | Northern |
| | | Senior | | Environmental Science | |

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|----|---------|-----------|------------|---|------------------------------|
| 1 | S-0806 | Emily | Brownlee | A Tale of Two Oysters and Algal Blooms | Calvert |
| 2 | S-0802 | Mahmood | Alaverdi | Treating Acid Mine Drainage | Leonardtwn |
| 2 | S-0820 | Maia | McWilliams | Effect of Waterfowl on E.Coli Count | Eleanor Roosevelt |
| 3 | S-0816 | Lauren | Thompson | Heavy Metal Paints in the Environment | Charles H. Flowers |
| 3 | S-0819 | Dexter | Ware | Pollution Solution | Charles H. Flowers |
| HM | S-0809 | Jesse | Hatton | The Effect of Pollutant on the Growth of Plants | Oxon Hill |
| HM | S-0812 | Daniel | Kucin | Crayfish Survey | DuVal |
| HM | S-0818 | John | Young | Can I Drink the Water? | Eleanor Roosevelt |
| P | S-0801 | Joseph | Adams | Purity of Water | Forestville Military Academy |
| P | S-0803 | Kendra | Beard | Phosphate, Nitrate and Levels of pH in Water | Fairmont Heights |
| P | S-0805 | Tiara | Boardley | Relationship Between Turbidity and ... | Charles H. Flowers |
| P | S-0807 | Blaire | Bryant | Fish Biodiversity in the Chesapeake Bay | Charles H. Flowers |
| P | S-0810 | Chayla | Jackson | Ozone: Understanding Pollution in Maryland | Oxon Hill |
| P | S-0815 | Anthony | Rufus | Put Your Water to the Test | Gwynn Park |
| P | S-0860A | Farnoosh | Farah | Cropping Systems Effect on Greenhouse Gas | Eleanor Roosevelt |
| P | S-0860B | Olubukola | Oriola | Cropping Systems Effect on Greenhouse Gas | Eleanor Roosevelt |

Senior

Mathematics

| | | | | | |
|---|--------|-------|----------|---------------------------------|-------------------|
| 1 | S-0901 | Ajay | Chandhok | Damage Detection System for RCC | Eleanor Roosevelt |
| 2 | S-0902 | Hanna | Froe | Statistically Spelling Doubled | Oxon Hill |

Senior

Medicine and Health

| | | | | | |
|----|--------|-----------|--------------|---|------------------------------|
| 1 | S-1006 | Silpa | Thaivalappil | BAG-Family Stress Response in Breast Cancer | Eleanor Roosevelt |
| 2 | S-1002 | Alexander | Fischer | Gene Expression Colorectal Cancer Lines | Eleanor Roosevelt |
| 3 | S-1005 | Lulit | Price | ECE-1B Genotype & ET-1 Plasma... | Charles H. Flowers |
| HM | S-1004 | Tejas | Patel | DNMT Activity and Oxidative Stress | Eleanor Roosevelt |
| P | S-1001 | Brandon | Battle | Sugar vs. Substitutes | Surrattsville |
| P | S-1003 | Listelle | Ignacio | Assessing the Risk of Avian Influenze H5N1 | Oxon Hill |
| P | S-1007 | Stephanie | Battle | Comparison of Cytoskelton of Neurolastoma ... | Charles H. Flowers |
| P | S-1008 | LaJoy | Johnson | Resveratrol Causes Direct Mitochondrial... | Forestville Military Academy |

Senior

Microbiology

| | | | | | |
|----|--------|-----------|-----------|---|--------------------|
| 1 | S-1108 | Elizabeth | Mongeon | CSI: Captures Killer Insects | Eleanor Roosevelt |
| 2 | S-1107 | Ambi | Mehta | T. Cacao Endophytes and Cajanus Cajan | Eleanor Roosevelt |
| 3 | S-1111 | Daniel | Vakharia | Cloning the Green Fluorescent Protein | Bowie |
| HM | S-1102 | Jenease | Bridges | Bacteria Free! | Charles H. Flowers |
| HM | S-1106 | Sarah | Lancaster | The Effects of pH on the Biodegradation ... | Leonardtwn |

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|----|---------|-----------|---------------|---|---------------------------|
| P | S-1101 | Nijah | Almond | The Induction of DNA Damage by UV Light | Oxon Hill |
| P | S-1109 | Paul | Quade | The Effect of Different Types of Light ... | Leonardtwn |
| P | S-1110 | Praveen | Ramaswamy | Dirty Dispensers | Leonardtwn |
| P | S-1160A | Charles | Colbert | The Path to Cancer Therapy | Oxon Hill |
| P | S-1160B | Tiffany | Gillis | The Path to Cancer Therapy | Oxon Hill |
| | | Senior | | Physics | |
| 1 | S-1211 | Rita | Pal | Detection of Atmospheric $^{13}\text{CO}_2$ | Eleanor Roosevelt |
| 2 | S-1212 | Georgio | Sineriz | Fiber Optic Signal Journey | Oxon Hill |
| 3 | S-1210 | Kevin | Noonan | Electromagnetically Made Movement | St. Vincent Pallotti High |
| HM | S-1201 | Daniel | Boda | Full of Hot Air | Oxon Hill |
| HM | S-1203 | Irene | Etim | Air Resistance | Eleanor Roosevelt |
| HM | S-1213 | Neal | Zabiegalski | Conductivity | Leonardtwn |
| P | S-1202 | Jonattian | Brevard | Sail as an Electrical System | Oxon Hill |
| P | S-1204 | Jessica | Gamble | Electromagnetism | Charles H. Flowers |
| P | S-1205 | Bobby | Henry, III | Does Friction Influence Distance? | Jericho Christian Academy |
| P | S-1260A | Myka | Fantroy | Parachu to the Rescue | Bowie |
| P | S-1260B | Joy | Taylor | Parachu to the Rescue | Bowie |
| P | S-1261A | Lauren | Schwartz | Oh My Gosh: Rotation | Northern |
| P | S-1261B | Lia | Rios | Oh My Gosh: Rotation | Northern |
| | | Senior | | Space Science | |
| 1 | S-1306 | Julie | Walker | The Dust Devils Did It - Wind Erosion... | Leonardtwn |
| 2 | S-1301 | James | Bonnell | Infrared Photometry of a GRB Afterglow | Eleanor Roosevelt |
| 3 | S-1307 | Andrea | Warren | Put the Stress 2 the test...The Rest is History | Oxon Hill |
| | | Senior | | Zoology | |
| 1 | S-1403 | Robert | Walker | Solution Tests Improving Apoidea Catches | Eleanor Roosevelt |
| 2 | S-1402 | Jesse | Duff-Woodruff | Scients Impacting Bee Capture Rates | Eleanor Roosevelt |

