VIRGINIA JUNIOR ACADEMY OF SCIENCE
2008 AWARDS

AGRICULTURE AND ANIMAL SCIENCE

Honorable Mention: STACEY R. BEAM
Piedmont Governor's School

Honorable Mention: DAVID M. GREEN, JR.
Chesapeake Bay Governor's School

Third Place: MARK C. GORDON
Hermitage High School

Second Place: JESSIE C. CAPPELLO
Lee-Davis High School

First Place: KATHERINE M. ABRAMS
Southwest Virginia Governor's School

ANIMAL BEHAVIOR (ETHOLOGY)

Honorable Mention: JULIE O. GRISSOM
Chesapeake Bay Governor's School

Honorable Mention: CARINE L. SQUIBB
Southwest Virginia Governor's School

Honorable Mention: BENJAMIN TERNER
Mills E. Godwin High School

Third Place: RACHEL D. AKERS
Chesapeake Bay Governor's School

Second Place: COURTNIE A. BOWIE
Chesapeake Bay Governor's School

First Place: JOSHUA D. DEGASTYNE
Southwest Virginia Governor's School
Honorable Mention: EMILY A. BONIFACE
Central Virginia Governor's School

Honorable Mention: ANN M. CARROLL
Central Virginia Governor's School

Honorable Mention: KAYLA A. JOHNSON
Central Virginia Governor's School

Third Place: SE W. JEONG
Roanoke Valley Governor's School

Second Place: SARAH HAKKENBERG
Roanoke Valley Governor's School

First Place: ANNA M. BROSNAHAN
Washington-Lee High School

Honorable Mention: SARAH G. MURPHY
George H. Moody Middle School

Honorable Mention: CHRISTINA S. PHANG
Washington-Lee High School

Honorable Mention: NORVELL W. WEST, IV
Roanoke Valley Governor's School

Third Place: CHRISTINE G. LEE AND
JASTEENA K. GILL
Thomas Jefferson High School for Science and Technology

Second Place: RICHARD METZGER, JOHN DEEMY AND
ANDERSON SATTERWHITE
Chesapeake Bay Governor's School

First Place: KATHERINE E. MIZE
Galileo Magnet High School
Honorable Mention: ABIGAIL K. BESSLER
Williamsburg Middle School

Honorable Mention: MATTHEW O. ERNESTO
Yorktown High School

Honorable Mention: CAROLYN A. FONZI
Bishop Denis J. O'Connell High School

Third Place: LILLY L. BOULDIN
Washington-Lee High School

Second Place: ROSS M. BRAGG
Atlee High School

First Place: CAROLINE M. BIRASA
Washington-Lee High School

CHEMISTRY B

Honorable Mention: THOMAS E. MIOTKE
Washington-Lee High School

Honorable Mention: BILLY F. MOORE
Southwest Virginia Governor's School

Honorable Mention: CORINNE E. WIESNER
Washington-Lee High School

Third Place: JOCELYN F. KEATTS
Shenandoah Valley Governor's School

Second Place: SAMEER M. SARKAR
George H. Moody Middle School

First Place: AMANDA K. RODGERS
Southwest Virginia Governor's School
COMPUTER SCIENCE

Honorable Mention: DANIEL L. QUILLEN
Shenandoah Valley Governor's School

Third Place: BEN M. ROBLE
Mathematics and Science High School at Clover Hill

Second Place: PRAKRITI VERMA
New Horizons Governor's School

First Place: BENJAMIN S. HUGHES
Piedmont Governor's School

CONSUMER SCIENCE A

Honorable Mention: JOSEPH B. DAVIS
Patrick Henry High School

Third Place: MICHAEL J. DANIELS
Gildersleeve Middle School

Second Place: YA-RU CHEN
Shenandoah Valley Governor's School

First Place: ZOE K. ALTHOLZ
Atlee High School

CONSUMER SCIENCE B

Honorable Mention: MADALYN L. MARSHALL
Shenandoah Valley Governor's School

Honorable Mention: JENNIFER E. PAUCKE AND
CHRISTINA A. SWANSON
Deep Run High School

Honorable Mention: ZACHARY A. SUMNER
Shenandoah Valley Governor's School
Third Place: EMMA K. THORP
Washington-Lee High School

Second Place: EVAN T. UNDERWOOD
Shenandoah Valley Governor's School

First Place: STEVEN A. WEBB
Central Virginia Governor's School

Honorable Mention: ALEC R. BRENNER
Longfellow Middle School

Honorable Mention: BRANDEN T. KATONA
Mills E. Godwin High School

Honorable Mention: ARYA DAHAL
Williamsburg Middle School

Second Place: DANIEL J. LEIBOVIC
George H. Moody Middle School

First Place: ELIZABETH M. THOMAS
Southwest Virginia Governor's School

EARTH AND SPACE SCIENCE

ENGINEERING A

Honorable Mention: CLIFFORD M. BOYD
North Cross School

Honorable Mention: KATHARINE A. GRAHAM
George H. Moody Middle School

Honorable Mention: JONATHAN H. GUINThER
Mills E. Godwin High School

Third Place: ANDREA L. GINGRICH
Central Virginia Governor's School
Second Place: ROBERT BRIK
Mills E. Godwin High School

First Place: SAMANTHA R. DAUER
Central Virginia Governor's School

ENGINEERING B

Honorable Mention JOSHUA G. LEVINSON
Central Virginia Governor's School

Honorable Mention: BRADFORD W. MCGANN
Washington-Lee High School

Honorable Mention: RACHEL C. WILBUR
Gildersleeve Middle School

Third Place: TINA SONG
Central Virginia Governor's School

Second Place: BRITTANY A. MARTINEZ
James River High School

First Place: KIRSTEN F. RUMSEY
Menchville High School

ENVIRONMENTAL SCIENCE A

Honorable Mention: JULIA M. ARONSON
Shenandoah Valley Governor's School

Honorable Mention: MATTHEW S. CARPENTER
Central Virginia Governor's School

Honorable Mention: SUCHANA H. COSTA
Washington-Lee High School

Third Place: STEPHANIE K. DAHLEM
Chesapeake Bay Governor's School

Second Place: CHRISTINA N. CHENG AND
KRISTEN E. SLAUGHTER
Chesapeake Bay Governor's School
First Place: AMRITA BANERJEE
Mills E. Godwin High School

ENVIRONMENTAL SCIENCE B

Honorable Mention: MORGAN L. FAULKNER
Chesapeake Bay Governor's School

Honorable Mention: GEORGE S. GIANAKOS
Central Virginia Governor's School

Honorable Mention: MARINA K. GIRGIS
George H. Moody Middle School

Third Place: AMANDA N. GRANT AND
CHELSEA A. LIVINGSTON
Deep Run High School

Second Place: LINDSAY J. HUNDLEY
Chesapeake Bay Governor's School

First Place: STACEY L. HOUSTON
Central Virginia Governor's School

ENVIRONMENTAL SCIENCE C

Honorable Mention: JAMIE L. JOHNSON AND
CHELSEA L. REED
Chesapeake Bay Governor's School

Honorable Mention: ALEX B. JONES
Washington-Lee High School

Honorable Mention: SAMANTHA PIERSON,
LOWERY PEMBERTON AND
WAYNE LAMKIN
Chesapeake Bay Governor's School

Third Place: KASEY E. PHILLIPS
Chesapeake Bay Governor's School

Second Place: STEPHANIE A. MARQUEEN
Douglas Freeman High School
First Place: BRYSON R. KEMLER
Hanover High School

ENVIRONMENTAL SCIENCE D

Honorable Mention: ZACHARY K. SCHARF
Central Virginia Governor's School

Honorable Mention: SHANNA SU
Mills E. Godwin High School

Honorable Mention: ROSS SUMNER, KELSI JEWEll AND
JESSICA VANECEK
Chesapeake Bay Governor's School

Third Place: GEORGE H. SYDNOR
New Horizons Governor's School

Second Place: STEPHANIE M. UMPHLETTE
Chesapeake Bay Governor's School

First Place: JACOB S. VROOMAN
Chesapeake Bay Governor's School

GENETICS AND CELLULAR BIOLOGY

Honorable Mention: SARAH Y. HOUAMED
George H. Moody Middle School

Honorable Mention: EDWARD S. RICE
Thomas Jefferson High School for Science and Technology

Honorable Mention: CAROLYN SONG
Mills E. Godwin High School

Third Place: ALEXANDER TURRO
Bishop Denis J. O'Connell High School

Second Place: SURAJ K. MISHRA
Mills E. Godwin High School
First Place: ERIN D. KIM
Mathematics and Science High School at Clover Hill

MATHEMATICS

Honorable Mention: PATRICK W. MAHANEY
Southwest Virginia Governor's School

Honorable Mention: AUDREY E. POE
Shenandoah Valley Governor's School

Honorable Mention: ZACHARY TERNER
Mills E. Godwin High School

Third Place: ABDULLAH A. FARHAT
Kecoughtan High School

Second Place: XUANYI CHEN
Southwest Virginia Governor's School

First Place: PHILIP S. CHODROW
Shenandoah Valley Governor's School

MEDICINE AND HEALTH A

Honorable Mention: INESHA PREMARATNE, SARAH BOOTH
AND NILUFAR MIRSHAHI
Henrico High School

Honorable Mention: DONNA Y. REA
Piedmont Governor's School

Honorable Mention: JEFFREY L. ROBERSON
Atlee High School

Third Place: XIAOXIAO ZHANG
Mills E. Godwin High School

Second Place: TIM XU
Thomas Jefferson High School for Science and Technology
First Place: VIRGINIA E. PHILLIPPE
Central Virginia Governor's School

MEDICINE AND HEALTH B

Honorable Mention: BRADLEY T. GOOD
Shenandoah Valley Governor's School

Honorable Mention: ANGELA C. MENNA
Mills E. Godwin High School

Honorable Mention: KATELYN E. MILAM
Central Virginia Governor's School

Third Place: JESSICA W. LAU
Mills E. Godwin High School

Second Place: HANNAH R.B. MEREDITH
Mathematics and Science High School at Clover Hill

First Place: SAPPHO Z. GILBERT
Thomas Jefferson High School for Science and Technology

MICROBIOLOGY A

Honorable Mention: LAUREN E. BENNETT
George H. Moody Middle School

Honorable Mention: HANTING FENG
Mathematics and Science High School at Clover Hill

Honorable Mention: ALICE S. KIM
Mathematics and Science High School at Clover Hill

Third Place: JEWEL C. LLAMAS
Central Virginia Governor's School
## VJAS 2008 AWARDS

### PHYSICAL SCIENCE

<table>
<thead>
<tr>
<th>Place</th>
<th>Name</th>
<th>School</th>
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<tbody>
<tr>
<td>Second</td>
<td>PARKER D. VASCIK</td>
<td>Roanoke Valley Governor's School</td>
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<tr>
<td>First</td>
<td>SEANA HEDAYATNIA</td>
<td>Mills E. Godwin High School</td>
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<tr>
<td>Honorable Mention</td>
<td>BRANDON M. BUNCHER</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Honorable Mention</td>
<td>ROHAN PIDAPARTI</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Honorable Mention</td>
<td>WILLIAM J. YOUNG</td>
<td>Williamsburg Middle School</td>
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<tr>
<td>Third</td>
<td>JESSE F. FERRELL</td>
<td>Swanson Middle School</td>
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<tr>
<td>Second</td>
<td>JESSICA M. LITZ</td>
<td>Chickahominy Middle School</td>
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<tr>
<td>First</td>
<td>AZEB YIRGA</td>
<td>George H. Moody Middle School</td>
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### PHYSICS A

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<thead>
<tr>
<th>Place</th>
<th>Name</th>
<th>School</th>
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<tbody>
<tr>
<td>Honorable Mention</td>
<td>IAN H. FEENEY</td>
<td>Washington-Lee High School</td>
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<tr>
<td>Honorable Mention</td>
<td>KYLE P. TENNY</td>
<td>Central Virginia Governor's School</td>
</tr>
<tr>
<td>Honorable Mention</td>
<td>NICOLAS M. ZEVALLOS</td>
<td>Washington-Lee High School</td>
</tr>
<tr>
<td>Third</td>
<td>DAVID C. LEMERY</td>
<td>Galileo Magnet High School</td>
</tr>
</tbody>
</table>
Second Place: WADE D. HODSON
Homer L. Hines Middle School

First Place: VIJAY GOVINDARAJAN
Mills E. Godwin High School

PSYCHOLOGY - GENERAL

Honorable Mention: MEAGAN C. JENIGAN
Appomattox Governor's School

Honorable Mention: MADELEINE A. SENDEK
Swanson Middle School

Honorable Mention: JOSEPH D. WALLACE AND
ABIGAIL E. WALLACE
Chesapeake Bay Governor's School

Third Place: ANDREW P. BROWN
Yorktown High School

Second Place: KATHERINE CHEN
George H. Moody Middle School

First Place: ALLYSON M. GARDNER
Piedmont Governor's School

PSYCHOLOGY - LEARNING & PERCEPTION A

Honorable Mention: JUSTIN I. CASTILLO
Chesapeake Bay Governor's School

Honorable Mention: ERIC J. ALVAREZ
Washington-Lee High School

Honorable Mention: BRANDON W. HYLTON
Piedmont Governor's School

Third Place: AARON D. BERNEKING
Shenandoah Valley Governor's School
Second Place: LISA M. CARTER  
Chesapeake Bay Governor's School

First Place: BENJAMIN V. KARAUS  
Central Virginia Governor's School

PSYCHOLOGY - LEARNING & PERCEPTION B

Honorable Mention: AMANDA M. WASHBURN  
Piedmont Governor's School

Honorable Mention: CASEY L. WASHBURN  
Piedmont Governor's School

Honorable Mention: JESSICA N. WHITE  
Central Virginia Governor's School

Third Place: BRITNI C. MARTIN  
Washington-Lee High School

Second Place: BHAUMIK P. PATEL  
Central Virginia Governor's School

First Place: AMELIA J. TYLER  
Southwest Virginia Governor's School

PSYCHOLOGY - SOCIAL

Honorable Mention: THOMAS W. DICKINSON  
Washington-Lee High School

Honorable Mention: RACHEL E. OBENSCHAIN  
Shenandoah Valley Governor's School

Third Place: SAM J. BOWMAN  
Shenandoah Valley Governor's School

Second Place: STEPHANIE A. PAINTER  
Shenandoah Valley Governor's School

First Place: CHARLES N. GOWAN  
Atlee High School
STATISTICS

Honorable Mention: LAYSA HEDJAR
Shenandoah Valley Governor's School

Honorable Mention: TIMOTHY J. MEADORS
Southwest Virginia Governor's School

Honorable Mention: MARY H. WHITESELL
Shenandoah Valley Governor's School

Third Place: ROY B. POWELL
Washington-Lee High School

Second Place: ANDREW G. YOUNG AND GIRIKARNIKA JAMMI
Mills E. Godwin High School

First Place: AJAY R. SUNDAR
Mills E. Godwin High School

ZOOGOGY

Honorable Mention: JERRY T. PRICE
Central Virginia Governor's School

Honorable Mention: HOWARD C. RAY, III
Central Virginia Governor's School

Honorable Mention: GRACE C. WANG AND VICTORIA L. ZUPAN
Thomas Jefferson High School for Science and Technology

Third Place: NATALIE M. CLARK
Central Virginia Governor's School

Second Place: AMELIA R. GONZALEZ AND RAQUEL M. TRIPP
Thomas Jefferson High School for Science and Technology
First Place:  ADRIANA M. PHILLIPS AND  
SYDNEY P. SCHRIDER  
Thomas Jefferson High School for Science and  
Technology  

SPECIAL AWARDS  

Botany Section Award, given by the Botany Section of the VAS, to the best paper on a botanical subject.  

KATHERINE E. MIZE  
Galileo Magnate High School  

VJAS Neuroscience Awards supported by the Virginia Neurological Society is given to an outstanding paper in the field of neuroscience.  

JOSHUA DEGASTYNE  
Southwest Virginia Governor's School  

Speleological Society Award given to the best paper addressing karst or topics related to speleology given by the Richmond Area Speleological Society.  

No applicants this year.  

Mathematics Award for the paper that evidences the most significant contribution in the field of Mathematics.  

PHILLIP CHODROW  
Shenandoah Valley Governor's School  

Statistics Award for the paper that evidences the most significant contribution in the field of Statistics.  

AJAY R. SUNDAR  
Mills E. Godwin High School  

Smith Shadomy Infectious Disease Award in honor and memory of Dr. Smith Shadomy given by the Virginia Chapter of the National Foundation of Infectious Diseases.  

TARA ADISESHAN  
Ramana Academy
Roscoe Hughes Award for the best paper in the field of Cellular Biology.

ERIN KIM
Mathematics and Science High School at Clover Hill

Rodney C. Berry Chemistry Award for the paper that evidences the most significant contribution in the field of chemistry.

AMANDA K. RODGERS
Southwest Virginia Governor's School

The Dr. and Mrs. Preston H. Leake Award in Applied Chemistry will be given to the author of a research paper which best exemplifies how chemicals, chemical principles, or chemistry have been used, are used, or might be used to enhance or even to save life.

Second Place
PRASANNA G. JOSHI
George H. Moody Middle School

First Place
ERIN KIM
Mathematics and Science High School at Clover Hill

Russell J. Rowlett Award for the Best Research Paper of the Year.

PHILIP CHODROW
Shenandoah Valley Governor's School

The Virginia Psychological Foundation Meritorious Research Awards recognize outstanding presentations of research in the various fields of psychology.

ALLYSON M. GARDNER
Piedmont Governor's School

BENJAMIN B. KARAUS
Central Virginia Governor's School

AMELIA J. TYLER
Southwest Virginia Governor's School

CHARLES N. GOWAN
Shenandoah Valley Governor's School
Virginia Sea Grant College Program Award is given by the Virginia Sea Grant College Program for outstanding marine or coastal research.

**KASEY E. PHILLIPS**  
Chesapeake Bay Governor's School

American Cancer Society Award - This award is to recognize outstanding science papers related to cancer research.

**Second Place**  
CAROLYN SONG  
Mills E. Godwin High School

**Second Place**  
SURAJ K. MISHRA  
Mills E. Godwin High School

**First Place**  
SAPPHO ZOE GILBERT  
Thomas Jefferson High School for Science and Technology

The Gamma Sigma Delta Award (Agriculture). Presented by the VPI & SU Chapter of the Honor Society of Agriculture. This award is presented in recognition of excellence in research dealing with application of new technologies and/or concepts in agriculture forestry, or veterinary medicine.

**KATHERINE M. ABRAMS**  
Southwest Virginia Governor's School

Dominion - W.W. Berry Award. This award is given by Dominion Virginia Power in honor of Mr. W. W. Berry who was a past Chairman of the Board of VA Power. This award of a $500.00 Savings Bond will be presented to the best engineering paper.

**SAMANTHA DAUER**  
Central Virginia Governor's School

The Joyce K. Peterson Award is presented for the outstanding paper by a middle school student. It is presented in honor of Mrs. Joyce K. Peterson who has been an outstanding teacher in the Arlington County Schools.

**PRASANNA G. JOSHI**  
George H. Moody Middle School
The Ann M. Hancock Award - This award is given to the best paper in genetics and is given in memory of Anne Hancock who retired from Patrick Henry High School in Hanover County and who gave many years of service to the Jr. Academy not only by teaching but also serving on the Jr. Academy Committee.

SURAJ MISHRA
Mills E. Godwin High School

Dorothy Knowlton Award - This award is given to the best paper in the Consumer Science section(s) and is given in honor of Dorothy Knowlton, former Science Coordinator of Arlington County Schools.

Not awarded this year

VABE Award - This award is presented by the Virginia Association of Biology Educators and is given for outstanding research in the Zoology section.

ADRIANA M. PHILLIPS AND SYDNEY P. SCHRIDER
Thomas Jefferson High School for Science and Technology

Virginia Museum of Natural History Award - Presented by The Virginia Museum of Natural History Foundation in recognition of significant contribution in the study and interpretation of Virginia's Natural Heritage.

STEPHANIE M. UMPHLETTE
Chesapeake Bay Governor's School

Trip to AJAS - AAAS Meeting for two students for presenting outstanding papers. The 2009 meeting will be held in Feb. in Chicago.

AMANDA K. RODGERS
Southwest Virginia Governor's School

SAPPHO Z. GILBERT
Thomas Jefferson High School for Science and Technology

Honorary Membership - AAAS.

FELICIA HOLZGREFE
Atlee High School
Honorary Membership - VAS given to a student.

BRENDAN DOLYE
Yorktown High School

Bethel High School Scholarship - This $1,000 Scholarship Award comes from the interest earned from a $10,000 endowment contributed by the students of Bethel High School, Hampton, Va., over a two year period. This award is based on both the students presentation and paper.

No Winner this Year

Henry MacKenzie Environmental Scholarship - This $5,000 scholarship will be awarded to the student whose paper evidences the most significant contribution in the field of Environmental Science dealing with the James River Basin and Chesapeake Bay. The Virginia Endowment and VJAS offer this scholarship in tribute to the outstanding and generous services of Judge Henry W. MacKenzie, Jr., one of the founding directors who has a great interest in the James River and the Chesapeake Bay.

GEORGE SYDNOR
New Horizons Governor's School

Frances and Sydney Lewis Environmental Scholarship: A $14,000 scholarship ($3,500 per year for four years) for the best effort by a student in grades 9 to 12 in the field of environmental science. This scholarship is in the name of Frances and Sydney Lewis and is given by the Virginia Environmental Endowment.

JACOB S. VROOMAN
Chesapeake Bay Governor's School

E.C.L. Miller Science Teacher of the Year Award is given to an outstanding science teacher. An all-expense-paid trip to the next VAST meeting held in November.

RYAN THOMAS TEMPLETON
Mathematics and Science High School at Clover Hill

VJAS Distinguished Service Award.

Not awarded this year.
New Student Officers

- Historian - TREVER OTTOFARO, New Horizons Governor's School
- Secretary - ELIZABETH GENTRY, Atlee High School
- Vice President - TARA ADISESHAN, Ramana Academy
- President - PRAKRITI VERMA, New Horizons Governor's School

Our meeting next year will be at Virginia Commonwealth University, in Richmond.