

**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

## BOTANY A

- 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

## BOTANY B

- 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

## CHEMISTRY A

- 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

**EARTH AND SPACE SCIENCE**

- Honorable Mention: ALEC R. BRENNER  
Longfellow Middle School
- Honorable Mention: BRANDEN T. KATONA  
Mills E. Godwin High School
- Third Place: 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

**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

Second Place: PARKER D. VASCIK  
Roanoke Valley Governor's School

First Place: SEANA HEDAYATNIA  
Mills E. Godwin High School

PHYSICAL SCIENCE

Honorable Mention: BRANDON M. BUNCHEER  
George H. Moody Middle School

Honorable Mention: ROHAN PIDAPARTI  
George H. Moody Middle School

Honorable Mention: WILLIAM J. YOUNG  
Williamsburg Middle School

Third Place: JESSE F. FERRELL  
Swanson Middle School

Second Place: JESSICA M. LITZ  
Chickahominy Middle School

First Place: AZEB YIRGA  
George H. Moody Middle School

PHYSICS A

Honorable Mention: IAN H. FEENEY  
Washington-Lee High School

Honorable Mention: KYLE P. TENNY  
Central Virginia Governor's School

Honorable Mention: NICOLAS M. ZEVALLOS  
Washington-Lee High School

Third Place: DAVID C. LEMERY  
Galileo Magnet High School

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

## ZOOLOGY

- 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 out-standing 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.

winner	AMANDA K. RODGERS Southwest Virginia Governor's School
winner	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.