

**VIRGINIA JUNIOR ACADEMY OF SCIENCE  
MAY 28, 2009  
68th ANNUAL MEETING AWARDS  
VIRGINIA COMMONWEALTH UNIVERSITY  
RICHMOND, VA**

**AGRICULTURE AND ANIMAL SCIENCE**

Honorable Mention: KATHERINE CHEN  
Mills E. Godwin High School

Honorable Mention: VICTORIA S. FUBARA  
Deep Run High School

Honorable Mention: VAISHNAVI KOSURI AND DIVYA MADHUSUDHAN  
Thomas Jefferson High School for Science and Technology

Third Place: JORDAN B. HURST  
Chesapeake Bay Governor's School

Second Place: MATTHEW T. KING  
George H. Moody Middle School

First Place: TIAN ZHOU  
Blacksburg High School

**ANIMAL BEHAVIOR (ETHOLOGY)**

Honorable Mention: RYAN P. CARROLL  
Yorktown High School

Honorable Mention: SEANA HEDAYATNIA  
Mills E. Godwin High School

Honorable Mention: ERICA L. STANLEY  
Central Virginia Governor's School

Third Place: ADITHYA SIMHA AND KEVIN H. SHU  
Thomas Jefferson High School for Science and Technology

Second Place: CARINE L. SQUIBB  
Southwest Virginia Governor's School

First Place: JEEIN SEO  
Thomas Jefferson High School for Science and Technology

**BOTANY A**

Honorable Mention: SARAH N. BOEGNER  
George H. Moody Middle School

Honorable Mention: JAKE H. HILL  
Central Virginia Governor's School

Honorable Mention: CHRISTOPHER M. NOWAK  
George H. Moody Middle School

Third Place: ANNA M. BROSNAN  
Washington-Lee High School

Second Place: SUCHANA H. COSTA  
Washington-Lee High School  
First Place: MADHURA V. CHITNAVIS  
Roanoke Valley Governor's School

**CHEMISTRY A**

Honorable Mention: SOFONIAS GETACHEW  
Williamsburg Middle School  
Honorable Mention: ANDREA E. GREEN  
H. B. Woodlawn  
Honorable Mention: JIMIN HE  
Yorktown High School  
Third Place: SAUMIL BANDYOPADHYAY  
George H. Moody Middle School  
Second Place: VIJAY GOVINDARAJAN  
Mills E. Godwin High School  
First Place: PRASANNA G. JOSHI  
Mills E. Godwin High School

**CHEMISTRY B**

Honorable Mention: FARIS G. SANJAKDAR  
Washington-Lee High School  
Honorable Mention: PRIYA SARKAR  
George H. Moody Middle School  
Honorable Mention: SHANNA SU  
Mills E. Godwin High School  
Third Place: JORDYN A. WADE  
George H. Moody Middle School  
Second Place: AMANDA K. RODGERS  
Southwest Virginia Governor's School  
First Place: ANIRUDH SARASWATHULA  
Thomas Jefferson High School for Science and Technology

**COMPUTER SCIENCE**

Honorable Mention: ANDREW C. CASEY  
Central Virginia Governor's School  
Honorable Mention: MICHAEL R. LEVET  
Deep Run High School  
Honorable Mention: ANDREW E. VITKUS  
George H. Moody Middle School  
Third Place: BENJAMIN M. ROBLE  
Mathematics and Science High School at Clover Hill  
Second Place: LAWRENCE TALEJ  
Deep Run High School

First Place: BRIAN K. SEAL, JR.  
Deep Run High School

**CONSUMER SCIENCE A**

Honorable Mention: DEVAN M. BITTINGER  
Hanover High School

Honorable Mention: KIMBERLY D. CASTLEMAN AND  
MACKENZIE G. NEWMAN  
Deep Run High School

Honorable Mention: ARIELLE R. EFFRON  
Mills E. Godwin High School

Third Place: JOSEPH M. DAMRON III  
Mountain Vista Governor's School

Second Place: TARA R. DEAN  
Southwest Virginia Governor's School

First Place: LINDSAY A. BYRUM  
Chesapeake Bay Governor's School

**CONSUMER SCIENCE B**

Honorable Mention: KATHERINE B. MODLY  
Mountain Vista Governor's School

Honorable Mention: ERIN R. VEASEY  
Southwest Virginia Governor's School

Honorable Mention: JOSHUA J. WHITE  
Shenandoah Valley Governor's School

Third Place: COURTNEY M. SIMS  
Shenandoah Valley Governor's School

Second Place: PETER STEELE  
Shenandoah Valley Governor's School

First Place: HANNAH M. MEEKS  
Hanover High School

**EARTH AND SPACE SCIENCE**

Honorable Mention: NATHANIEL T. BURKHOLDER  
Shenandoah Valley Governor's School

Honorable Mention: HANA-MAY EADEH  
George H. Moody Middle School

Third Place: STUART D. GEIPEL  
George H. Moody Middle School

Second Place: WILLIAM B. RIORDAN  
Central Virginia Governor's School

First Place: BRANDEN T. KATONA  
Mills E. Godwin High School

**ENGINEERING A**

- Honorable Mention: KATHARINE A. GRAHAM  
George H. Moody Middle School
- Honorable Mention: MAX S. NEWMAN  
Mills E. Godwin High School
- Honorable Mention: MARY E. SEALS  
Central Virginia Governor's School
- Third Place: MICHELLE A. KENNEDY  
Hanover High School
- Second Place: CHRISTOPHER M. WERTMAN  
Shenandoah Valley Governor's School
- First Place: JOY E. LEE  
Thomas Jefferson High School for Science and Technology

**ENVIRONMENTAL SCIENCE A**

- Honorable Mention: REID A. BARDEN  
George H. Moody Middle School
- Honorable Mention: DICKSON R. BARRY  
Patrick Henry High School
- Honorable Mention: KATHERINE D. BAUMAN  
H. B. Woodlawn
- Third Place: KATHERINE J. ADAMS  
Chesapeake Bay Governor's School
- Second Place: KYLE F. ALLWINE  
Chesapeake Bay Governor's School
- First Place: MICHAEL A. BUGAS  
Fort Defiance High School

**ENVIRONMENTAL SCIENCE B**

- Honorable Mention: GRIFFIN Q. HUNDLEY  
Hanover High School
- Honorable Mention: GUFRAN H. JARRAR AND CARRIE D. CARDONA  
Chesapeake Bay Governor's School
- Honorable Mention: SARAH V. LIU  
Roanoke Valley Governor's School
- Third Place: RUTH W. HEDBERG  
Chesapeake Bay Governor's School
- Second Place: SAMANTHA L. FLOYD  
Chesapeake Bay Governor's School
- First Place: GREGORY D. DORSEY  
Chesapeake Bay Governor's School

**ENVIRONMENTAL SCIENCE C**

- Honorable Mention: ELIZABETH MCDONALD  
Williamsburg Middle School

Honorable Mention: MARK D. MISCH AND JEFFREY C. DITMER, JR.  
Chesapeake Bay Governor's School

Honorable Mention: BRIAN P. MURPHY  
Chesapeake Bay Governor's School

Third Place: MITHCHELL J. OLIVER  
Mountain Vista Governor's School

Second Place: HILLARY D. MAY AND CALEB S. SMITH  
Chesapeake Bay Governor's School

First Place: SARAH G. MURPHY  
George H. Moody Middle School

**ENVIRONMENTAL SCIENCE D**

Honorable Mention: NICHOLAS E. ROWE  
Chesapeake Bay Governor's School

Honorable Mention: STEVEN K. THOMPSON  
Chesapeake Bay Governor's School

Honorable Mention: MEGAN WALZ  
Blacksburg High School

Third Place: ABIGAIL J. SIMON  
Home Schooled

Second Place: SARA C. TAYLOR  
George H. Moody Middle School

First Place: SETH J. THEUERKAUL  
Chesapeake Bay Governor's School

**GENETICS AND CELLULAR BIOLOGY**

Honorable Mention: SWETHA PASALA  
Thomas Jefferson High School for Science and Technology

Honorable Mention: CHELISSE D. PERRY  
Chesapeake Bay Governor's School

Honorable Mention: ANDREW M. SHORE  
Mathematics and Science High School at Clover Hill

Third Place: CONAN ZHAO  
George H. Moody Middle School

Second Place: ALLISON S. REID  
Central Virginia Governor's School

First Place: CAROLYN SONG  
Mills E. Godwin High School

**MATHEMATICS**

Honorable Mention: THOMAS J. DELGADO  
Mathematics and Science High School at Clover Hill

Third Place: ZACHARY TERNER  
Mills E. Godwin High School

Second Place: HUNTER W. LONG  
Roanoke Valley Governor's School

First Place: SOHINI SENGUPTA  
Ocean Lakes High School

**MEDICINE AND HEALTH A**

Honorable Mention: QUINN L. BROGAN  
Mills E. Godwin High School

Honorable Mention: COURTNEY O. EGAN  
Hermitage High School

Honorable Mention: SANJAY T. KISHORE  
Southwest Virginia Governor's School

Third Place: JACK A. BOOTH  
George H. Moody Middle School

Second Place: CAITLIN E. DOHERTY  
Mills E. Godwin High School

First Place: STEPHANIE A. MARQUEEN  
Douglas Freeman High School

**MEDICINE AND HEALTH B**

Honorable Mention: KATHERINE A. RODRIGUEZ  
Deep Run High School

Honorable Mention: KATELYN K. ROWLAND  
Thomas Jefferson Middle School

Honorable Mention: LESLEY E. SUMMERVILLE  
James River High School

Third Place: LEANDER C. UNVERDORBEN  
George H. Moody Middle School

Second Place: ASHLEY R. TAYLOR  
Southwest Virginia Governor's School

First Place: ANGELA C. MENNA  
Mills E. Godwin High School

**MICROBIOLOGY**

Honorable Mention: SEBASTIAN T. COUPE  
Thomas Jefferson Middle School

Honorable Mention: SAYANTANEE DAS  
George H. Moody Middle School

Honorable Mention: ANNA E. KNIGHT AND CATHERINE F. DWORAK  
Thomas Jefferson High School for Science and Technology

Third Place: SAMUEL M. RUBIN  
Mills E. Godwin High School

Second Place: SAPIR CACHUM, KATHLEEN ATKATSH AND  
MANNA FUJIU  
Thomas Jefferson High School for Science and Technology

First Place: SANJAY M. KISHORE  
Southwest Virginia Governor's School

**PHYSICAL SCIENCE**

Honorable Mention: NICHOLAS A. PARAISO  
George H. Moody Middle School

Honorable Mention: SHRUTI R. RAO  
George H. Moody Middle School

Honorable Mention: MADELEINE A. SENDEK  
Swanson Middle School

Third Place: LEONARD DUBOVOY  
George H. Moody Middle School

Second Place: GRANT S. BROUSSARD  
George H. Moody Middle School

First Place: PERRIN L. FALKNER  
Swanson Middle School

**PHYSICS**

Honorable Mention: LAKSHMI BODAPATI  
George H. Moody Middle School

Honorable Mention: MADELINE L. BOTTICELLO  
Yorktown High School

Honorable Mention: CLAYTON M. GEIPEL  
Mills E. Godwin High School

Third Place: BRANDON M. BUNCHE  
George H. Moody Middle School

Second Place: SAMUEL C. PASSAGLIA  
Washington-Lee High School

First Place: MUKARRAM AHMAD  
Mathematics and Science High School at Clover Hill

**PSYCHOLOGY - GENERAL**

Honorable Mention: SAMUEL A. AKERS  
George H. Moody Middle School

Honorable Mention: ADITYA P. MOTHADAKA  
Mills E. Godwin High School

Honorable Mention: MOLLY L. ROSS  
Shenandoah Valley Governor's School

Third Place: HALEY T. SQUIER  
Shenandoah Valley Governor's School

Second Place: ERIK R. SIMONSEN  
Shenandoah Valley Governor's School

First Place: COURTNEY L. YANCEY  
Shenandoah Valley Governor's School

**PSYCHOLOGY - LEARNING & PERCEPTION A**

- Honorable Mention: ALEXANDER ALTHOFF AND CHELSEA A. MILLS  
Deep Run High School
- Honorable Mention: INDAY J. BARAHONA  
Yorktown High School
- Honorable Mention: BRANDY D. HENCE  
Chesapeake Bay Governor's School
- Third Place: SIBLEY A. BROWN  
Southwest Virginia Governor's School
- Second Place: JACKSON R. COLVER  
Mills E. Godwin High School
- First Place: KATHERINE L. AGNEW  
Central Virginia Governor's School

**PSYCHOLOGY - LEARNING & PERCEPTION B**

- Honorable Mention: ARAVIND MENON  
Deep Run High School
- Honorable Mention: ANA O'HARROW  
Yorktown High School
- Honorable Mention: SCOTTIE M. SMITH  
Deep Run High School
- Third Place: JULIA G. SHRECKHISE  
Shenandoah Valley Governor's School
- Second Place: CARLA M. SPENCE  
Thomas Jefferson Middle School
- First Place: SONIA PHENE  
Washington-Lee High School

**PSYCHOLOGY - SOCIAL**

- Honorable Mention: CHRISTOPHER D. KIME  
Yorktown High School
- Honorable Mention: SAMANTHA F. SPYTEK AND LARA L. SIERRA  
Gunston Middle School
- Honorable Mention: AMELIA J. TYLER  
Southwest Virginia Governor's School
- Third Place: PAUL W. DUCKWORTH  
Mills E. Godwin High School
- Second Place: WENHAO LU  
Mills E. Godwin High School
- First Place: SARA BOURDOUANE  
Thomas Jefferson Middle School



**STATISTICS**

Honorable Mention: WILLIAM J. LUXHOJ AND JACOB L. CHAMBON  
Deep Run High School

Third Place: TODD W. PHILLIPS  
Mills E. Godwin High School

Second Place: ANDREW R. HOUSE  
Deep Run High School

First Place: KATHERINE C. LARSON  
Mills E. Godwin High School

**ZOOLOGY**

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

Honorable Mention: BRADY K. BROWN  
George H. Moody Middle School

Honorable Mention: KATHRYN A. KINGSBURY AND ART T. KULATTI  
Thomas Jefferson High School for Science and Technology

Third Place: EMILIA R. SENS  
Washington-Lee High School

Second Place: SUSAN M. HASTINGS AND MEGHAN R. KELLY  
Thomas Jefferson High School for Science and Technology

First Place: ALEXANDER M. KIM  
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. (\$100.00)

MADHURA V. CHITNAVIS  
Roanoke Valley 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. (\$50.00)

HANA-MAY EADEH  
George H. Moody Middle School

Mathematics Award for the paper that evidences the most significant contribution in the field of Mathematics. (\$200.00)

SOHINI SENGUPTA  
Ocean Lakes High School

Statistics Award for the paper that evidences the most significant contribution in the field of Statistics. (\$200.00)

KATHERINE C. LARSON  
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. (\$50.00)

GREGORY THOMPSON  
Central Virginia Governor's School  
KATHERINE E. BAUMANN  
George H. Moody Middle School

Roscoe Hughes Award for the best paper in the field of Cellular Biology. (\$150.00)

CHELISSE PERRY  
Chesapeake Bay Governor's School

Rodney C. Berry Chemistry Award for the paper that evidences the most significant contribution in the field of chemistry. (\$150.00)

PRASANNA G. JOSHI  
Mills E. Godwin High 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. (\$150, \$100)

Second Place	EMILY SPILLER George H. Moody Middle School
First Place	AMANDA K. RODGERS Southwest Virginia Governor's School

Catesby Jones - Russell J. Rowlett Award for the Best Research Paper of the Year. (\$100.00)

JOY LEE  
Thomas Jefferson High School for Science and Technology

Virginia Sea Grant College Program Award is given by the Virginia Sea Grant College Program for outstanding marine or coastal research. (\$50.00)

SETH THEUERKAUF  
Chesapeake Bay Governor's School

American Cancer Society Award - This award is to recognize outstanding science papers related to cancer research. A certificate to each and to 1st place - \$100, honorable mentions - \$50. These awards are funded by the American Cancer Society (Virginia Council).

Honorable Mention	AMANDA K. RODGERS Southwest Virginia Governor's School
Honorable Mention	CONAN ZHAO George H. Moody Middle School
First Place	PAUAN G. GUDIMETTA Deep Run High School

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. (\$100)

TIAN ZHOU

Blacksburg High 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. The winners must see the Director by the stage after the awards ceremony.

JOY E. LEE

Thomas Jefferson High School for Science and Technology

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. (\$50)

CONAN ZHAO

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. (\$100)

CAROLYN SONG

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. (\$50)

BRITTANY COOK

Southwest Virginia Governor's School

VABE Award - This award is presented by the Virginia Association of Biology Educators and is given for outstanding research in the Zoology section. (\$100)

ALEXANDER KIM

Thomas Jefferson High School for Science and Technology

Virginia Museum of Natural History Award - Presented by the Friends of the Virginia Museum of Natural History in recognition of significant contribution in the study and interpretation of Virginia's Natural Heritage. The winner will receive \$100.

SETH THEUERKAUF

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 San Diego.

Winner      BRANDEN T. KATONA  
                 Mills E. Godwin High School  
Winner      PRASANNA G. JOSHI  
                 Mills E. Godwin High School

Honorary Membership - AAAS given to two students.

PRAKRITI VERMA  
Grafton High School  
TARA ADISHESAN  
Ramana Academy

Honorary Membership - VAS given to a student.

ELIZABETH GENTRY  
Atlee 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.

KATHERINE AGNEW  
Central Virginia Governor's School

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.

SETH THEUERKAUF  
Chesapeake Bay 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.

ALEXANDER KIM  
Thomas Jefferson High School for Science and Technology

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.

MARIVIC MITCHELL  
George H. Moody Middle School

VJAS Distinguished Service Award, most prestigious award given by the VJAS, is presented to a person for exceptionally outstanding service to the VJAS.  
PAM GENTRY

**2009-2010 VJAS Officers**

Historian - VANESSA GENTRY

ALAN BOOTH

Secretary - ANA O'HARROW

Vice President - WILL NOSTRA

President - SUCHANA COSTA