

**VIRGINIA JUNIOR ACADEMY OF SCIENCE
MAY 21, 2010
69th ANNUAL MEETING AWARDS
JAMES MADISON UNIVERSITY
HARRISONBURG, VA**

AGRICULTURE AND ANIMAL SCIENCE

Honorable Mention:	ROHAN MATHEW George H. Moody Middle School
Honorable Mention:	CHANNING A. MOSS AND SAMANTHA N. PREASEAU Chesapeake Bay Governor's School
Honorable Mention:	KAYLA E. PFAB Deep Run High School
Third Place:	KRYSTA R. TROUT Shenandoah Valley Governor's School
Second Place:	MATTHEW T. KING George H. Moody Middle School
First Place:	CLAYTON M. GEIPEL Mills E. Godwin High School

ANIMAL BEHAVIOR (ETHOLOGY)

Honorable Mention:	ANATEVKA S. RIBEIRO Mountain Vista Governor's School
Honorable Mention:	GRAYSON D. SANNER H.B. Woodlawn
Third Place:	RACHEL M. BOAG Mountain Vista Governor's School
Second Place:	PRIYA CHITTUR, CYNTHIA LI AND DIVYA BATHEY Thomas Jefferson High School for Science and Technology

First Place: DANIEL JANG, ARMAN KHOJANDI AND
GOVIND MATTAY
Thomas Jefferson High School for Science and
Technology

BOTANY A

Honorable Mention: MALLORY J. BANTON
Hanover High School

Honorable Mention: ANANT KHARKAR
George H. Moody Middle School

Honorable Mention: NAVEEN C. KOTHA
George H. Moody Middle School

Third Place: HANNAH M. GOOD
Deep Run High School

Second Place: MADHURA V. CHITNAVIS
Roanoke Valley Governor's School

First Place: HARTZEL E. GILLESPIE
Central Virginia Governor's School

BOTANY B

Honorable Mention: TYLER A. LAREDO
Kenmore Middle School

Honorable Mention: CHRISTOPHER M. NOWAK
Douglas Freeman High School

Honorable Mention: IMANI B. TINTER
Washington-Lee High School

Third Place: MAVRA MASOOD
George H. Moody Middle School

Second Place: BIYUAN ZHAO
Southwest Virginia Governor's School

First Place: ERIK G. ZORN
Roanoke Valley Governor's School

CHEMISTRY A

Honorable Mention: JOOHEE CHOI
Langley High School

Honorable Mention: EMILY E. COOK
Washington-Lee High School

Honorable Mention: PRASANNA G. JOSHI
Mills E. Godwin High School

Third Place: VIJAY GOVINDARAJAN
Mills E. Godwin High School

Second Place: SAUMIL BANDYOPADHYAY
Maggie L. Walker Governor's School

First Place: CAITLIN A. CHERESNOWSKY AND
JESSICA K. KERSEY
Gloucester High School

CHEMISTRY B

Honorable Mention: PRIYA M. SARKAR
George H. Moody Middle School

Honorable Mention: ISAAC M. VOGLER
Mountain Vista Governor's School

Third Place: SAMEER M. SARKAR
Maggie L. Walker Governor's School

Second Place: DONG JOO YOON AND HYE JOO YOON
Langley High School

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

COMPUTER SCIENCE

Honorable Mention:	MATTHEW R. BONGIOVI Mountain Vista Governor's School
Honorable Mention:	LAURENCE A. JONES Atlee High School
Honorable Mention:	DEREK W. LOFTIS Ocean Lakes High School
Third Place:	MATTHEW H. MARTIN Ocean Lakes High School
Second Place:	MATTHEW A. FRAZIER Mountain Vista Governor's School
First Place:	JAMES J. WANDA Washington-Lee High School

CONSUMER SCIENCE A

Honorable Mention:	ANNIE B. BLEMKER AND MORGOT C. HAIHALL Robious Middle School
Honorable Mention:	ARIEL L. HARPER Shenandoah Valley Governor's School
Honorable Mention:	JOHN W. BLOOR Deep Run High School
Third Place:	BENJAMIN M. BROOKS Shenandoah Valley Governor's School
Second Place:	KATHRYN E. BAXLEY Shenandoah Valley Governor's School
First Place:	ALISON E. EDDINS George H. Moody Middle School

CONSUMER SCIENCE B

Honorable Mention:	MEGAN R. LOWERY Shenandoah Valley Governor's School
Honorable Mention:	LUCY C. PLANT Shenandoah Valley Governor's School
Honorable Mention:	MEGAN E. WINE AND KATHERINE H. MONKS Robious Middle School
Third Place:	HUNTER J. MICHAEL Shenandoah Valley Governor's School
Second Place:	STEFAN MOSCALU Central Virginia Governor's School
First Place:	CARAHLINE M. STARK Southwest Virginia Governor's School

EARTH AND SPACE SCIENCE

Honorable Mention:	UTKARSHA BHAVE George H. Moody Middle School
Honorable Mention:	KATHARINE E. HINES George H. Moody Middle School
Honorable Mention:	JUSTIN W. LAU George H. Moody Middle School
Third Place:	GEORGE M. LUPTON, IV Central Virginia Governor's School
Second Place:	PAUL J. ZIVICK Central Virginia Governor's School
First Place:	BRANDON T. KATONA Mills E. Godwin High School

ENGINEERING A

Honorable Mention:	SETH C. AUSTIN Shenandoah Valley Governor's School
Honorable Mention:	JONATHAN KIM AND VANCE P. BARDEN Deep Run High School
Honorable Mention:	ROBERT J. KUCZMARSKI Roanoke Valley Governor's School
Third Place:	WILLIAM E. KUNKEL George H. Moody Middle School
Second Place:	PAUL J. DIMARTINO George H. Moody Middle School
First Place:	LAUREN E. JOHNSON Mills E. Godwin High School

ENGINEERING B

Honorable Mention	MANHAS NARRA Thomas Jefferson High School for Science and Technology
Honorable Mention:	DOMENICK V. PUZIO Shenandoah Valley Governor's School
Honorable Mention:	JOSEPH W. WOOD Shenandoah Valley Governor's School
Third Place:	CATESBY K. WOLSKI George H. Moody Middle School
Second Place:	JAMES P. STEWART Roanoke Valley Governor's School
First Place:	JAMES C. TYLER George H. Moody Middle School

ENVIRONMENTAL SCIENCE A

Honorable Mention:	REBEKAH W. BARKER Deep Run High School
Honorable Mention:	MEREDITH A. BOWER Tandem Friends School
Honorable Mention:	JEREMY BURKE Central Virginia Governor's School
Third Place:	KELSI BAUGHAN, HANNAH GILL AND CAITLIN TIGNOR Chesapeake Bay Governor's School
Second Place:	LEAH J. COATES Chesapeake Bay Governor's School
First Place:	NICOLE C. BOYD AND CHRISTINA S. MOORE Thomas Jefferson High School for Science and Technology

ENVIRONMENTAL SCIENCE B

Honorable Mention:	BRANDON E. COOPER Chesapeake Bay Governor's School
Honorable Mention:	MEAGAN C. DAVID Bishop Denis J. O'Connell High School
Honorable Mention:	AMBER S. FAUBER Chesapeake Bay Governor's School
Third Place:	JANAI A. GOLDEN George H. Moody Middle School
Second Place:	ARIEL DEUTSCH, HANNAH LAN AND PRIYA PATEL Thomas Jefferson High School for Science and Technology
First Place:	PATRICK S. HOWARD Chesapeake Bay Governor's School

ENVIRONMENTAL SCIENCE C

Honorable Mention:	SARAH G. MURPHY Douglas Freeman High School
Honorable Mention:	GRACE A. PERKINS Chesapeake Bay Governor's School
Third Place:	RACHAEL L. LIPSCOMB Chesapeake Bay Governor's School
Second Place:	MATTHEW F. MANN Chesapeake Bay Governor's School
First Place:	GAVIN T. KLINE Central Virginia Governor's School

ENVIRONMENTAL SCIENCE D

Honorable Mention:	KATE E. TILLOTSON Central Virginia Governor's School
Honorable Mention: Technology	AKSHAR WUNNAVA Thomas Jefferson High School for Science and Technology
Third Place:	JOHN R. RYAN Oak Knoll Middle School
Second Place:	EMMA RODVIEN Yorktown High School
First Place:	CHRISTINE E. WILLIAMS Chesapeake Bay Governor's School

GENETICS AND CELLULAR BIOLOGY

Honorable Mention:	CHRISTOPHER A. HOLLINGSWORTH West Potomac High School
--------------------	--

- Honorable Mention: JILL E. JACKSON
Shenandoah Valley Governor's School
- Honorable Mention: ALYSSA N. OSIMANI
Blacksburg High School
- Third Place: GALEN E. NIXON
George H. Moody Middle School
- Second Place: CLAIRE L. COOPER
Thomas Jefferson High School for Science and
Technology
- First Place: NADINE NIKOLOVA
Deep Run High School

MATHEMATICS

- Honorable Mention: STEVEN P. TRAYER
Mountain Vista Governor's School
- Third Place: THOMAS R. STEIMEL
Mountain Vista Governor's School
- Second Place: BRETT C. BERGER
Woodberry Forest School
- First Place: HEMING ZHAO
Southwest Virginia Governor's School

MEDICINE AND HEALTH A

- Honorable Mention: KARA M. ADAMS
George H. Moody Middle School
- Honorable Mention: KYLIE J. ARMSTRONG
Shenandoah Valley Governor's School
- Honorable Mention: SARA K. GARBER
Shenandoah Valley Governor's School
- Third Place: SAYANTANEE DAS
George H. Moody Middle School

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

First Place: NATASHA N. CHOWDRY
Central Virginia Governor's School

MEDICINE AND HEALTH B

Honorable Mention: SE WOONG JEONG
Roanoke Valley Governor's School

Honorable Mention: MANON LOUSTAUNAU
Washington-Lee High School

Honorable Mention: TERESA PADGETT
Central Virginia Governor's School

Third Place: ELAINE M. HARRINGTON
Bishop Denis J. O'Connell High School

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

First Place: SAMANTHA M. MARQUEZ
Robious Middle School

MEDICINE AND HEALTH C

Honorable Mention: WHITNEY N. ROSSER
Central Virginia Governor's School

Honorable Mention: ANNESHA SENGUPTA
Manchester Middle School

Honorable Mention: ROHAN SHARMA
George H. Moody Middle School

Third Place: DAVID R. SHORE
Maggie L. Walker Governor's School

Second Place: ZEB ZAHEER
Yorktown High School

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

MICROBIOLOGY A

Honorable Mention: CLAIRE A. BOBST
Yorktown High School

Honorable Mention: ELIZABETH T. GIBSON AND NICOLE C.
BRODER
H.B. Woodlawn

Honorable Mention: MARK T. SCHREIBER
Wakefield High School

Third Place: SACHITH GULLAPALLI
Roanoke Valley Governor's School

Second Place: CARLSON M. SAWYER
New Horizons Governor's School

First Place: KATHRYNLYNN WELLS JENKINS
York High School

PHYSICAL SCIENCE

Honorable Mention: HANNAH FITZMAURICE
Swanson Middle School

Honorable Mention: CAMERON D. GIBSON
Stonewall Jackson Middle School

Honorable Mention: CONNOR HENNESSEY-NILAND
Swanson Middle School

Third Place: ARJUN K. JAINI
Stonewall Jackson Middle School

Second Place: ISABELLE S. STERN
George H. Moody Middle School

First Place: THOMAS N. TOMBES AND JEREMIAH W.
HOYT
Robious Middle School

PHYSICS

Honorable Mention: MADISON A. HAMBLÉN
Deep Run High School

Honorable Mention: NICHOLAS K. PETERMAN
Deep Run High School

Honorable Mention: HENRY M. TESSIER
Swanson Middle School

Third Place: CALEB JONES
Gildersleeve Middle School

Second Place: BENJAMIN L. ANDERSON
Patrick Henry High School

First Place: ZACHARY TERNER AND MENJAMIN
TERNER
Mills E. Godwin High School

PSYCHOLOGY - GENERAL

Honorable Mention: KIRBY J. CLARK
Washington-Lee High School

Honorable Mention: RACHEL M. DRESCHER
Mountain Vista Governor's School

Honorable Mention: ANDREW W. DUDKA
Washington-Lee High School

Third Place: ELIZABETH P. BELL
George H. Moody Middle School

Second Place: DAVIS A. KLABO
Deep Run High School

First Place: GRACE E. BENSON
Blacksburg High School

PSYCHOLOGY - LEARNING & PERCEPTION A

Honorable Mention: AMANDA J. HINCKLE
Deep Run High School

Honorable Mention: MALLORY E. MCKENZIE
Washington-Lee High School

Honorable Mention: ISABEL E. AMEND
Washington-Lee High School

Third Place: CHARLES H. HALE
Chesapeake Bay Governor's School

Second Place: PAUL B. GIRGIS
George H. Moody Middle School

First Place: JOHN J. BOYLE, III AND TARA KENNEDY
Deep Run High School

PSYCHOLOGY - LEARNING & PERCEPTION B

Honorable Mention: ADAM T. PHILLIPS
Deep Run High School

Honorable Mention: SRISHTI SANYA
George H. Moody Middle School

Honorable Mention: SAMANTHA F. SPYTEK
Wakefield High School

Third Place: HOLLY M. SEALEY AND MEGHAN E.
WEEDON
Deep Run High School

Second Place: SONIA PHENE
Washington-Lee High School

First Place: ADAM D. RELICK
Chesapeake Bay Governor's School

PSYCHOLOGY - SOCIAL

Honorable Mention: TAYLOR K. CHAMNESS
Bishop Denis J. O'Connell High School

Honorable Mention: RYAN A. OPPENHEIM
Robious Middle School

Honorable Mention: RACHEL E. SCHWARTZ
Washington-Lee High School

Third Place: BENJAMIN P. MCGARY
Ocean Lakes High School

Second Place: LAKSHMI M. BODAPATI
George H. Moody Middle School

First Place: JASMINE P. JONES
Central Virginia Governor's School

STATISTICS

Honorable Mention: KATHERINE P. HUGHES
Shenandoah Valley Governor's School

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

Honorable Mention: VICTORIA K. AMATO
Shenandoah Valley Governor's School

Third Place: CORY B. BRANT
Shenandoah Valley Governor's School

Second Place: ZACHARY W. BARLOW
Shenandoah Valley Governor's School

First Place:	MEGAN L. MOHR Yorktown High School
	ZOOLOGY
Honorable Mention:	CHRISTOPHER S. EISENMAN Mountain Vista Governor's School
Honorable Mention:	ANDREW T. LEFFLER George H. Moody Middle School
Honorable Mention:	KELLY C. SCHUMANN Thomas Jefferson High School for Science and Technology
Third Place:	BRADY K. BROWN George H. Moody Middle School
Second Place:	MARY D. SUN AND SHAWN C. TSUTSUI Thomas Jefferson High School for Science and Technology
First Place:	AMEYA A. CHUMBLE Galileo Magnet High School

Special Awards

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

ERIK G. ZORN
Roanoke Valley Governor's School

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

HEMING ZHAO
Southwest Virginia Governor's School

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

MEGAN MOHR
Yorktown High School

Roscoe Hughes Award for the best paper in the field of Genetics.

GALEN NIXON
George H. Moody Middle School

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

JEE IN SEO
Thomas Jefferson High School for Science and
Technology

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.

SAMEER SARKAR
Maggie L. Walker Governor's School

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

NICOLE C. BOYD AND CHRISTINA S. MOORE
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.

GRACE A. PERKINS
Chesapeake Bay Governor's School

American Cancer Society Award - This award is to recognize outstanding science papers related to cancer research. These awards are funded by the American Cancer Society (Virginia Council).

Second Place

SAMEER SARKAR
Maggie L. Walker Governor's School

First Place

SAYANTANEE DAS
George H. Moody Middle 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.

CLAYTON GEIPEL
Mills E. Godwin 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.

JAMES C. TYLER
George H. Moody Middle 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.

SAYANTANEE DAS
George H. Moody Middle School

The Ann M. Hancock Award - This award is given to the best paper in cellular biology 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.

NANDINE NIKOLOVA
Deep Run High School

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

AMEYA CHUMBLE
Galileo Magnet High School

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.

MATTHEW MANN
Chesapeake Bay Governor's School

Trip to AJAS - AAAS Meeting for two students for presenting outstanding papers.

Winner: DANIEL JANAG, ARMAN KHOJANDI AND
GOVIND MATTAY
Thomas Jefferson High School for Science and
Technology

Honorary Membership - AAAS given to two students.

SUCHANA COSTA
Washington-Lee High School

WILLIAM NOSTRA
Atlee High School

Honorary Membership - VAS given to a student.

SE JEONG
Roanoke Valley Governor's 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.

CHRISTINE WILLIAMS
Chesapeake Bay 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.

LEAH COATES
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.

CHRISTINE WILLIAMS
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.

HEATHER GREEN
Ocean Lakes High School

New officers:

Secretary - Luke Faraone
Co- President - Ana O'Harrow
Co-President - William Nostra

Regional Directors- Alan Booth (II)
 Mannas Narra (IV)