

**VIRGINIA JUNIOR ACADEMY OF SCIENCE  
AWARDS**

## AGRICULTURAL AND ANIMAL SCIENCE

Honorable Mention: JULIA K. STOLBERG AND RACHEL E. KALLEM  
Yorktown High School  
Third Place: LAURA L. SPRAGUE  
Tuckahoe Middle School  
Second Place: KATHERINE A. HOWELL  
James River High School  
First Place: ZACHARY J. CAPPELLO  
Lee-Davis High School

## ANIMAL BEHAVIOR (ETHOLOGY)

Honorable Mention: TRACEY K. GRIFFITH  
Goochland High School  
Honorable Mention: MARY BETH S. JOHNSON  
Tuckahoe Middle School  
Third Place: CAROLINE K. HEGGIE  
Tuckahoe Middle School  
Second Place: VALERIE M. HOANG  
Mills E. Godwin High School  
First Place: KARA L. CAPELLI  
Atlee High School

## BOTANY A

Honorable Mention: ROGER B. ARNOLD, JR.  
Tuckahoe Middle School  
Honorable Mention: NATALIE T. CLAVON  
Central Virginia Governor's School  
Third Place: KATHERINE M. FOSTER  
Yorktown High School  
Second Place: WREN ELHAI  
Maggie L. Walker Governor's School  
First Place: TREVOR E. CORBIN  
Harry F. Byrd Middle School

## BOTANY B

- Honorable Mention: SEAN C. KITCHEN  
Tuckahoe Middle School
- Honorable Mention: THOMAS R. MALLORY  
Patrick Henry High School
- Honorable Mention: KATHERINE A. PUCKETT  
Manchester Middle School
- Third Place: SARAH K. GALLAGHER  
Central Virginia Governor's School
- Second Place: MAYA I. MACKRANDILAL  
Yorktown High School
- First Place: ROBERT L. GREEN  
Central Virginia Governor's School

## BOTANY C

- Honorable Mention: REBECCA E. SLOANE  
Chickahominy Middle School
- Honorable Mention: EMILY W. WHITTET  
Tuckahoe Middle School
- Third Place: ELLEN A. YOUNG  
Maggie L. Walker Governor's School
- Second Place: KATHERINE A. RUBIDA  
Washington-Lee High School
- First Place: EMILY C. SMITH  
Southwest Virginia Governor's School

## CHEMISTRY A

- Honorable Mention: NICHOLAS M. BIRASA  
Swanson Middle School
- Honorable Mention: JAN MARIE HEWITT  
Summit Christian Academy
- Honorable Mention: SHELLY L. JONES  
Warwick High School
- Third Place: ANN C. KIRCHMAN  
Central Shenandoah Valley Governor's School
- Second Place: SCOTT W. DECKER  
Mathematics and Science High School at Clover Hill
- First Place: JONATHAN S. CHAN  
Mathematics and Science High School at Clover Hill

**CHEMISTRY B**

Honorable Mention: ANTHONY P. LEONARD  
Southwest Virginia Governor's School

Honorable Mention: SARAH MCCLENDON  
George H. Moody Middle School

Honorable Mention: WYLIE B. PENNELL  
Warwick High School

Third Place: JAMES V. PECK, IV  
Harry F. Byrd Middle School

Second Place: DAVID MINASKANIAN  
Mills E. Godwin High School

First Place: JASON A. NG  
Yorktown High School

**CHEMISTRY C**

Honorable Mention: SARA J. RIPPEL  
James River High School

Honorable Mention: SOHINI SIRCAR  
Harry F. Byrd Middle School

Honorable Mention: KIMBERLY A. STAIB AND CHRISTINA H. WALES  
West Potomac High School

Third Place: NIRAJA SATHYANARAYANAN  
Mills E. Godwin High School

Second Place: M. HUNTER WITT  
Gildersleeve Middle School

First Place: ROBERT L. THOMAS  
Yorktown High School

**COMPUTER SCIENCE**

Honorable Mention: WASEEM S. DAHER  
Yorktown High School

Honorable Mention: RYAN C. MCKENZIE  
Ocean Lakes High School

Honorable Mention: TAUHIDUL HOGUE  
Yorktown High School

Third Place: DREW G. STEPHENS  
Yorktown High School

Second Place: MICHAEL J. DOBBS  
Yorktown High School

First Place: MATTHEW S. BIGELOW  
Central Shenandoah Valley Governor's School

## CONSUMER SCIENCE A

- Honorable Mention: JUSTIN M. BRECKLEY AND ROBERT A. DORFMAN  
Gildersleeve Middle School
- Honorable Mention: MATTHEW R. CAPELLI  
Oak Knoll Middle School
- Honorable Mention: RITA L. DIGRAZIA AND JAIME A. GOLDBERG  
James River High School
- Third Place: SARAH M. COUSINS  
Maggie L. Walker Governor's School
- Second Place: VANESSA P. CRANDALL  
Central Shenandoah Valley Governor's School
- First Place: ABIGAIL V. BROWN AND MARISSA L. LEVENDIS  
Yorktown High School

## CONSUMER SCIENCE B

- Honorable Mention: ASAKO KUBOTA  
Cave Spring High School
- Honorable Mention: MARY E. GAYLE  
Chickahominy Middle School
- Honorable Mention: KRISTIN M. MELNYCZUK  
Central Shenandoah Valley Governor's School
- Third Place: EMILY M. GREENE  
Central Shenandoah Valley Governor's School
- Second Place: ERIK W. HAUG  
Central Shenandoah Valley Governor's School
- First Place: MICHAEL R. LANDIS  
Chickahominy Middle School

## CONSUMER SCIENCE C

- Honorable Mention: SARAH K. PETERS  
James River High School
- Honorable Mention: HOLLI S. REEVES  
Mills E. Godwin High School
- Honorable Mention: OLGA R. SHERMAN  
Mills E. Godwin High School
- Third Place: ARJUN MUTHU  
Maggie L. Walker Governor's School
- Second Place: BRITTANY L. VASCIK  
Cave Spring High School
- First Place: MATTHEW S. PELTZ  
Gildersleeve Middle School

**EARTH AND SPACE SCIENCE**

- Honorable Mention: RACHEL L. BEATON  
Central Virginia Governor's School
- Honorable Mention: ANDREW V. GARDEN  
Woodrow Wilson Middle School
- Honorable Mention: KYLE G. PRESSEL  
Mills E. Godwin High School
- Third Place: SHELLY T. DEVEREAUX  
Southwest Virginia Governor's School
- Second Place: ANEESH K. VENKAT  
New Horizons Governor's School
- First Place: LAURA G. GAMSE  
Yorktown High School

**ENGINEERING A**

- Honorable Mention: COREY A. BARNES  
Central Virginia Governor's School
- Honorable Mention: IAN K. BARNES  
Gildersleeve Middle School
- Honorable Mention: JAMES R. DAVIS  
Central Shenandoah Valley Governor's School
- Third Place: JEREMY S. GRABOYES  
Maggie L. Walker Governor's School
- Second Place: BETH R. ENGLAND  
Williamsburg Middle School
- First Place: CHRISTY E. CLAPP  
Lloyd C. Bird High School

**ENGINEERING B**

- Honorable Mention: MATTHEW T. ROY  
Mathematics and Science High School at Clover Hill
- Honorable Mention: BRANDON R. SMITH  
Lloyd C. Bird High School
- Honorable Mention: CHANTE' M. STUBBS  
Crittenden Middle School
- Third Place: BRANDON J. MURRILL  
Mills E. Godwin High School
- Second Place: GEORGE S. TARASIDIS  
James River High School
- First Place: THOMAS MORIE  
Williamsburg Middle School

## ENVIRONMENTAL SCIENCE A

Honorable Mention: JEAN M. FOLSOM  
Yorktown High School  
Third Place: RAVI DEEPAK  
Poquoson High School  
Second Place: MATTHEW G. COLLINS  
Cave Spring High School  
First Place: CURTIS C. COPELAND  
Gloucester High School

## ENVIRONMENTAL SCIENCE B

Honorable Mention: AUSTIN K. GIBSON  
Central Shenandoah Valley Governor's School  
Honorable Mention: MYLES K. GLANCY  
Mills E. Godwin High School  
Honorable Mention: MRINAL R. MENON  
Maggie L. Walker Governor's School  
Third Place: JENNA L. MAXFIELD  
Atlee High School  
Second Place: JOANN E. KELLY  
Gloucester High School  
First Place: RUTH A. HALL  
Mills E. Godwin High School

## ENVIRONMENTAL SCIENCE C

Honorable Mention: ALYSSA J. MULLINS  
Manchester Middle School  
Honorable Mention: JESSICA L. RIPLEY  
Chesapeake Bay Governor's School  
Honorable Mention: KRISTA L. ROOP  
Mills E. Godwin High School  
Third Place: NATHAN H. RAINES  
Yorktown High School  
Second Place: ANDREW P. SCHUKMAN  
Mills E. Godwin High School  
First Place: JONATHAN D. RAMALEY  
Warwick High School

**ENVIRONMENTAL SCIENCE D**

- Honorable Mention: ERICA D. SIEGMUND  
Maggie L. Walker Governor's School
- Honorable Mention: CHRISTOPHER R. SIMPSON  
Central Virginia Governor's School
- Honorable Mention: KAMBER VITTORI AND MARGARET SAUNDERS  
Warwick High School
- Third Place: ANDREW R. SPOTTS  
Mills E. Godwin High School
- Second Place: ANEESH K. VENKAT  
New Horizons Governor's School
- First Place: MATTHEW E. WALKER  
Mills E. Godwin High School

**GENETICS AND CELLULAR BIOLOGY**

- Honorable Mention: NISHA F. LIGON  
Maggie L. Walker Governor's School
- Honorable Mention: NAOMI E. ROSS  
Yorktown High School
- Honorable Mention: LANA M. SHAHMORADIAN  
Mills E. Godwin High School
- Third Place: KELSEY L. TAYLOR  
Yorktown High School
- Second Place: DANIEL B. FISHER  
Stonewall Jackson Middle School
- First Place: MARISSA R. KESSLER  
Mills E. Godwin High School

**MATHEMATICS**

- Honorable Mention: AUSTIN P. CRISPENS  
Mathematics and Science High School at Clover Hill
- Third Place: EMILY S. WREN  
Yorktown High School
- Second Place: ANKIT JAIN  
Mills E. Godwin High School
- First Place: LYRIC P. DOSHI AND JOSEPH E. GONZALEZ  
Maggie L. Walker Governor's School

## MEDICINE AND HEALTH A

- Honorable Mention: SARAH A. BENSON  
Thomas Jefferson High School for Science and Technology
- Honorable Mention: ERICA A. BROTZMAN  
Harry F. Byrd Middle School
- Honorable Mention: SOLON CHOI  
Mathematics and Science High School at Clover Hill
- Third Place: CAREY C. ARCHER  
Mills E. Godwin High School
- Second Place: VICTORIA L. CHIOU  
Maggie L. Walker Governor's School
- First Place: DAVID K. BAUMGARTEN  
Collegiate School

## MEDICINE AND HEALTH B

- Honorable Mention: ARIEL R. GERBER  
Mills E. Godwin High School
- Honorable Mention: KATELYN R. GOOD  
Manchester Middle School
- Honorable Mention: JAMES N. HOKE  
Maggie L. Walker Governor's School
- Third Place: LINDA K. EVANS  
Central Virginia Governor's School
- Second Place: LINDSEY N. JONES  
Central Virginia Governor's School
- First Place: SVETLANA Y. LANTSMAN  
Mills E. Godwin High School

## MEDICINE AND HEALTH C

- Honorable Mention: JULIE C. NOBLE  
Yorktown High School
- Honorable Mention: GAURI R. RAVAL  
Mills E. Godwin High School
- Honorable Mention: NAMRATA VERMA  
New Horizons Governor's School
- Third Place: SURAVI SIRCAR  
Mills E. Godwin High School
- Second Place: MICHELLE S. OH  
Thomas Jefferson High School for Science and Technology
- First Place: ONO U. NSEYO  
Mills E. Godwin High School



**MICROBIOLOGY A**

Honorable Mention: SARAH E. BOMAN  
Central Virginia Governor's School

Honorable Mention: CONOR J. FRACKLETON  
Central Virginia Governor's School

Honorable Mention: JEREMY S. GRABOYES  
Maggie L. Walker Governor's School

Third Place: XAVIER W. BELCHER  
Huguenot High School

Second Place: LAURA E. BLACK  
Yorktown High School

First Place: PETER D. HOGGE  
Gloucester High School

**MICROBIOLOGY B**

Honorable Mention: DAVID H. KELLAM  
Ocean Lakes High School

Honorable Mention: KEVIN M. MALLON AND SEAMUS D. LYNCH  
Washington-Lee High School

Honorable Mention: RAYMOND L. PLAMER, JR.  
Varina High School

Third Place: JASMINE C. MAJOR  
Hermitage High School

Second Place: DEVON M. MILLER  
Tuckahoe Middle School

First Place: NEEL K. RAI  
Maggie L. Walker Governor's School

**PHYSICS A**

Honorable Mention: ERIC J.P. ACHESON AND VICTOR A. DROPIK  
Swanson Middle School

Honorable Mention: BENJAMIN P. CERTNER  
Tuckahoe Middle School

Honorable Mention: REBECCA L. EFFRON  
Harry F. Byrd Middle School

Third Place: BAIJU D. BHATT  
Poquoson High School

Second Place: ANDREA R. ENGLAND  
Southwest Virginia Governor's School

First Place: MELISSA A. DISKIN  
Gildersleeve Middle School

## PHYSICS B

Honorable Mention: PETER L. HARLAN  
Yorktown High School

Honorable Mention: CHRIS G. HINCKER  
Woodrow Wilson Middle School

Honorable Mention: KELLY M. O'BRIANT  
Swanson Middle School

Third Place: DANIEL P. HARLAN  
Yorktown High School

Second Place: DEREK S.Y. MILLER  
Maggie L. Walker Governor's School

First Place: GRACE C. HOU  
New Horizons Governor's School

## PHYSICS C

Honorable Mention: JACQUELINE K. RODERICK  
Warwick High School

Honorable Mention: BARBARA J. WARD  
Mathematics and Science High School at Clover Hill

Honorable Mention: RACHEL E. WATSON  
Gildersleeve Middle School

Third Place: ANNA M. PAVLUK  
Yorktown High School

Second Place: STEPHEN P. SOJKA  
Mills E. Godwin High School

First Place: XUN Y. ZHU  
Manchester Middle School

## PSYCHOLOGY - GENERAL

Honorable Mention: COLLEEN E. KARAFFA  
Central Shenandoah Valley Governor's School

Honorable Mention: LARISSA C. MOUNT  
Washington-Lee High School

Honorable Mention: KATHLEEN NORLAND  
Yorktown High School

Third Place: TRACY L. JENNINGS  
George H. Moody Middle School

Second Place: KYLE H. DALY  
Central Virginia Governor's School

First Place: CAROLINE A. DULANEY  
H.B. Woodlawn

**PSYCHOLOGY - LEARNING & PERCEPTION A**

Honorable Mention: MEREDITH L. COCKS  
Yorktown High School

Honorable Mention: RACHEL V. KLING  
Tuckahoe Middle School

Third Place: VICTORIA CHILDRESS  
Mills E. Godwin High School

Second Place: MELANIE A. DAVIS  
Central Virginia Governor's School

First Place: JULIE M. KRAFT  
Stonewall Jackson Middle School

**PSYCHOLOGY - LEARNING & PERCEPTION B**

Honorable Mention: BRITTANY N. NEWELL  
J.R. Tucker High School

Honorable Mention: JANANI SUNDAR  
Mills E. Godwin High School

Honorable Mention: JOHN R. WALK  
Tuckahoe Middle School

Third Place: KRISTIN E. PANKE AND JENNA R. ALLEN  
Yorktown High School

Second Place: AMANDA A. TRAYNHAM  
Central Shenandoah Valley Governor's School

First Place: WILLIAM L. TUFTS  
Central Shenandoah Valley Governor's School

**PSYCHOLOGY - SOCIAL**

Honorable Mention: JEREMY D. KIDD  
Southwest Virginia Governor's School

Honorable Mention: NICOLE A. THOMAS AND MAEGEN C. SMITH  
Atlee High School

Honorable Mention: SARAH E. ULMER  
George H. Moody Middle School

Third Place: ALEXANDRA E. JATRAS  
Yorktown High School

Second Place: RACHEL L. CARTER  
Tuckahoe Middle School

First Place: THOMAS A. BERENATO  
Blacksburg High School

## STATISTICS

Third Place: CHRISTOPHER U. EMBA  
Mills E. Godwin High School

Second Place: KATHERINE MURTHA  
Yorktown High School

First Place: VICTOR D. FEDOROV  
Mills E. Godwin High School

## ZOOLOGY A

Honorable Mention: EMILY K. HESALTINE  
Mills E. Godwin High School

Honorable Mention: THOMAS D. JOHNSON  
Mary L. Passage Middle School

Third Place: SAVANNAH M. FETTEROLF AND MEAGAN WILKINS  
Hayfield High School

Second Place: CHARLES S. JOHNSON  
Southwest Virginia Governor's School

First Place: DAVID A. GIBBS  
H.B. Woodlawn

## ZOOLOGY B

Honorable Mention: DAVID J. NYCZEPIR  
Manchester Middle School

Honorable Mention: ERIN B. STRANG  
Lee-Davis High School

Third Place: LOUISE A. MONTGOMERY  
Yorktown High School

Second Place: CHIDI J. ONYESO  
Mills E. Godwin High School

First Place: MAEGAN J. MICHAEL  
Mills E. Godwin High School

## SPECIAL AWARDS

Botany Section Award, given by the Botany Section of the VAS, to the best paper on a botanical subject. (\$200.00)

ROBERT L. GREEN  
Central Virginia Governor's School

VJAS Neuroscience Awards supported by the Virginia Neurological Society and the Auxiliary of the Virginia Neurological Society are given to up to four out-standing papers in the field of neuroscience (\$100.00 each).

VICTORIA L. CHIOU  
Maggie L. Walker 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. (\$500.00)

PETER GRIMALDI AND PATRICK RAINEY  
Yorktown High School

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

LYRIC P. DOSHI AND JOSEPH GONZALES  
Maggie L. Walker Governor's School

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

VICTOR D. FEDOROV  
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)

NEEL RAI  
Maggie L. Walker Governor's School

Roscoe Hughes Award for the best paper in the field of Genetics. (\$200.00)

KELSEY L. TAYLOR  
Yorktown High School

Rodney C. Berry Chemistry Award for the paper that evidences the most significant contribution in the field of chemistry.(\$400.00)

JASON A. NG  
Yorktown 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. (\$200.00)

GAURI RAVAL  
Mills E. Godwin High School

Russell J. Rowlett Award for the Best Research Paper of the Year. (\$300.00)

DAVID K. BAUMGARTEN  
Collegiate School

The Virginia Psychological Foundation Meritorious Research Awards recognize outstanding presentations of research in the various fields of psychology. Each award includes a prize of \$100.00.

CAROLINE DULANEY  
H.B. Woodlawn  
JULIE M. KRAFT  
Stonewall Jackson Middle School  
WILLIAM L. TUFTS  
Central Shenandoah Valley Governor's School  
THOMAS A. BERENATO  
Blacksburg High School

Virginia Sea Grant College Program Award is given by the Virginia Sea Grant College Program for outstanding marine or coastal research. (\$125.00)

JOANN E. KELLY  
Gloucester High School

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

Honorable Mention - (\$50)

GAURI RAVAL  
Mills E. Godwin High School

Third Place - (\$100)

PETER GRIMALDI AND PATRICK RAINEY  
Yorktown High School

First Place - (\$400)

KONSTANTIN Y. LANTSMAN  
Maggie L. Walker Governor's School

The Gamma Sigma Delta Award (Agriculture). Presented by the VPI & SU Chapter of the Honor Society of Agriculture. This award of \$100 is presented in recognition of excellence in research dealing with application of new technologies and/or concepts in agriculture forestry, or veterinary medicine. (\$100.00)

ZACHARY J. CAPPELLO  
Lee-Davis 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.

CHRISTY E. CLAPP  
Lloyd C. Bird High 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. (\$75)

KELLY O'BRIANT  
Swanson 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. Whitney Hancock, granddaughter of Ann Hancock, presented the award. (\$200)

MARISSA R. KESSLER  
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. (\$75)

JORDAN EFFRON  
Mills E. Godwin 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(s). (\$50) This award presented by *Marion Lobstein*.

DAVID A. GIBBS  
H.B. Woodlawn  
MAEGAN J. MICHAEL  
Mills E. Godwin High School

Trip to AJAS - AAAS Meeting for two students and two alternates for presenting outstanding papers. The 1999 meeting will be held in Feb. in *Denver*.

Winner: ZACHARY CAPPELLO  
Lee-Davis High School  
Winner: PETER HOGGE  
Gloucester High School  
Alternate: JONATHAN RAMALEY  
Warwick High School  
Alternate: THOMAS MORIE  
Williamsburg Middle School

Honorary Membership - AAAS given to two students.

WHIT SALIBA  
Patrick Henry High School  
BOB HSIA  
Mills E. Godwin High School

Honorary Membership - VAS given to a student.

ERIN FRACKLETON  
University of Virginia

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. Accompanying this scholarship is a rotating plaque to be displayed in the student's school for the next year. This award is based on both the students presentation and paper.

MARISSA KESSLER  
Mills E. Godwin High 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.

CURTIS C. COPELAND  
Gloucester High School

E.C.L. Miller Science Teacher of the Year Award is given to an outstanding science teacher. An all-expense-paid trip to next year's AAAS which will be in *Denver*.

PATRICIA COLTRANE  
Warwick High School

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

JUDY UPCHURCH

President and officers election results

Secretary - Carrie DuLaney - H.B. Woodlawn

Vice President - Suravi Sirca - Godwin HS

President - Eric Nielsen - Maggie Walker Gov's School