VIRGINIA JUNIOR ACADEMY OF SCIENCE
78TH ANNUAL MEETING & RESEARCH SYMPOSIUM

OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA

MAY 23, 2019

OFFICIAL AWARDS DOCUMENT FOR PUBLIC RELEASE
***STRICT EMBARGO UNTIL AFTER AWARDS CEREMONY***

Document formalized on May 23, 2019 by
Se W. Jeong
Chairman, Virginia Junior Academy of Science Committee
(Revised Document on May 25, 2019)

All awards conferred to listed awardees at the VJAS Awards Ceremony
on May 23, 2019 at Old Dominion University

www.vjas.org/

SECTION AWARDS
ANIMAL AND HUMAN SCIENCES

Honorable Mention
Name(s)
Nikhil Amin
School
George H. Moody Middle School

Honorable Mention
Name(s)
Manushi Nepal
School
George H. Moody Middle School

Honorable Mention
Name(s)
Viswanath Subramanian
School
George H. Moody Middle School

Third Place
Name(s)
Sivani Nemani
School
George H. Moody Middle School

Second Place
Name(s)
Stella Brakman
School
Sabot at Stony Point

First Place
Name(s)
Tony Bright, Arman Lateef, Gabriel Ralston
School
Louise Benton Middle School

BOTANY

Honorable Mention
Name(s)
Bhavana Adhikari
School
Mills E. Godwin High School

Honorable Mention
Name(s)
Caroline Grant & Margaret Laflam
School
Roanoke Valley Governor’s School

Honorable Mention
Name(s)
Estelle He
School
Mills E. Godwin High School

Third Place
Name(s)
Shivesh Joshi
School
Mills E. Godwin High School

Second Place
Name(s)
Noah Portner
School
Washington-Lee High School

First Place
Name(s)
Sophia Link
School
Blacksburg High School
CHEMICAL SCIENCES A

Honorable Mention
Name(s) Dhruva Barua
School Thomas Jefferson Middle School

Honorable Mention
Name(s) Charlotte Cunningham
School Swanson Middle School

Honorable Mention
Name(s) Ankita Mandal
School George H. Moody Middle School

Third Place
Name(s) Samantha Douthit
School Sabot at Stony Point

Second Place
Name(s) Alexander Dillon
School George H. Moody Middle School

First Place
Name(s) Aaryan Asthana
School George H. Moody Middle School

CHEMICAL SCIENCES B

Honorable Mention
Name(s) Robert Overstreet
School Sabot at Stony Point

Honorable Mention
Name(s) Sophia Reyes
School Swanson Middle School

Honorable Mention
Name(s) Annabel Tang
School George H. Moody Middle School

Third Place
Name(s) Abel Rudolph
School Sabot at Stony Point

Second Place
Name(s) Nithyasai Ravula
School George H. Moody Middle School

First Place
Name(s) Monona Zhou
School George H. Moody Middle School
## CHEMISTRY

<table>
<thead>
<tr>
<th>Position</th>
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<th>School</th>
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<tr>
<td>Honorable Mention</td>
<td>Yiming Chen</td>
<td>Yorktown High School</td>
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<td>Honorable Mention</td>
<td>Chirayu Nimonkar</td>
<td>Mills E. Godwin High School</td>
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<td>Honorable Mention</td>
<td>Pooja Patel</td>
<td>Mills E. Godwin High School</td>
</tr>
<tr>
<td>Third Place</td>
<td>Joshua Alexander</td>
<td>Deep Run High School</td>
</tr>
<tr>
<td>Second Place</td>
<td>Sabrina Ye</td>
<td>Mills E. Godwin High School</td>
</tr>
<tr>
<td>First Place</td>
<td>Lars Wirstrom</td>
<td>Mathematics &amp; Science Academy at Ocean Lakes High</td>
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## ECOLOGY AND EARTH SCIENCES A

<table>
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<tr>
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<td>Anya Dutta</td>
<td>Thomas Jefferson Middle School</td>
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<tr>
<td>Honorable Mention</td>
<td>Cassie Elsberg &amp; Rebecca Estevao</td>
<td>Swanson Middle School</td>
</tr>
<tr>
<td>Honorable Mention</td>
<td>Nitya Goyal</td>
<td>George H. Moody Middle School</td>
</tr>
<tr>
<td>Third Place</td>
<td>Ava Fischer</td>
<td>Thomas Jefferson Middle School</td>
</tr>
<tr>
<td>Second Place</td>
<td>Natalie Cecil &amp; Grace Varrieur</td>
<td>Swanson Middle School</td>
</tr>
<tr>
<td>First Place</td>
<td>Desmen Boykin</td>
<td>Graham Park Middle School</td>
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</tbody>
</table>
ECOLOGY AND EARTH SCIENCES B

Honorable Mention
Name(s) Kritika Rai
School Thomas Jefferson Middle School

Third Place
Name(s) Skylar Schuetze
School George H. Moody Middle School

Second Place
Name(s) Estee Ruiz
School Thomas Jefferson Middle School

First Place
Name(s) Gayatri Guda
School George H. Moody Middle School

ENGINEERING A

Honorable Mention
Name(s) Evan Allen
School Mathematics & Science Academy at Ocean Lakes High

Honorable Mention
Name(s) Adam Downs
School Southwest Virginia Governor’s School

Honorable Mention
Name(s) John Evans
School Yorktown High School

Third Place
Name(s) Brandon Fan
School Blacksburg High School

Second Place
Name(s) Neema Ahmadian & Emerson Dove
School Blacksburg High School

First Place
Name(s) Alexandra Barrett
School Southwest Virginia Governor’s School
## ENGINEERING B

<table>
<thead>
<tr>
<th>Position</th>
<th>Name(s)</th>
<th>School</th>
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<tbody>
<tr>
<td>Honorable Mention</td>
<td>Sean Mapes</td>
<td>Central Virginia Governor’s School</td>
</tr>
<tr>
<td>Honorable Mention</td>
<td>Fernando Posada &amp; McGrath Seamus</td>
<td>Harrisonburg High School</td>
</tr>
<tr>
<td>Honorable Mention</td>
<td>Dilin Williams</td>
<td>Washington-Lee High School</td>
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<tr>
<td>Third Place</td>
<td>Calvin Kramer</td>
<td>Chesapeake Bay Governor’s School</td>
</tr>
<tr>
<td>Second Place</td>
<td>Alice Xu</td>
<td>Blacksburg High School</td>
</tr>
<tr>
<td>First Place</td>
<td>Jadelin McLeod</td>
<td>Harrisonburg High School</td>
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## ENGINEERING & TECHNOLOGY A

<table>
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<th>Position</th>
<th>Name(s)</th>
<th>School</th>
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<tr>
<td>Honorable Mention</td>
<td>Lily Allen &amp; Ellie Potts</td>
<td>Swanson Middle School</td>
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<td>Honorable Mention</td>
<td>Elizabeth Knerr</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Honorable Mention</td>
<td>Ella McNally</td>
<td>Thomas Jefferson Middle School</td>
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<tr>
<td>Third Place</td>
<td>Shorya Malani</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Second Place</td>
<td>Leonardo Fall</td>
<td>Swanson Middle School</td>
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<tr>
<td>First Place</td>
<td>Rachel Dai</td>
<td>George H. Moody Middle School</td>
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### ENGINEERING & TECHNOLOGY B

<table>
<thead>
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<th>Category</th>
<th>Name(s)</th>
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<tr>
<td>Honorable Mention</td>
<td>Yash Saxena</td>
<td>George H. Moody Middle School</td>
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<td>Honorable Mention</td>
<td>Pranithi Thoota</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Honorable Mention</td>
<td>Parth Tornekar</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Third Place</td>
<td>Viktor Vaniakin</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Second Place</td>
<td>Maxwell Sigrest</td>
<td>Louise Benton Middle School</td>
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<tr>
<td>First Place</td>
<td>Raphael Sanchez</td>
<td>Thomas Jefferson Middle School</td>
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### EARTH AND ENVIRONMENTAL SCIENCE A

<table>
<thead>
<tr>
<th>Category</th>
<th>Name(s)</th>
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<tr>
<td>Honorable Mention</td>
<td>Ankita Adhvaryu</td>
<td>Mills E. Godwin High School</td>
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<tr>
<td>Honorable Mention</td>
<td>William Bernhardt &amp; Haylee Feist</td>
<td>Yorktown High School</td>
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<tr>
<td>Honorable Mention</td>
<td>Emily Brown</td>
<td>Chesapeake Bay Governor’s School</td>
</tr>
<tr>
<td>Third Place</td>
<td>Christiana Cole, Andrea Fox, Noah McIntire &amp; Hannah Miller</td>
<td>Harrisonburg High School</td>
</tr>
<tr>
<td>Second Place</td>
<td>Isabella Burgoyne</td>
<td>Southwest Virginia Governor’s School</td>
</tr>
<tr>
<td>First Place</td>
<td>Kenneth Beam</td>
<td>Chesapeake Bay Governor’s School</td>
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</tbody>
</table>
**EARTH AND ENVIRONMENTAL SCIENCE B**

**Honorable Mention**  
Name(s): MayGrace Gozzi  
School: Clover Hill High School

**Honorable Mention**  
Name(s): Emily Haueis  
School: Mills E. Godwin High School

**Honorable Mention**  
Name(s): Anna Lewis & Jerry Turner  
School: Chesapeake Bay Governor’s School

**Third Place**  
Name(s): Janine Icalla  
School: Mills E. Godwin High School

**Second Place**  
Name(s): Caroline Klotz  
School: Clover Hill High School

**First Place**  
Name(s): Adithya Iyer  
School: Roanoke Valley Governor’s School

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**EARTH AND ENVIRONMENTAL SCIENCE C**

**Honorable Mention**  
Name(s): Katherine Little  
School: Yorktown High School

**Honorable Mention**  
Name(s): Jewel Mitchell  
School: Chesapeake Bay Governor’s School

**Honorable Mention**  
Name(s): David Mullins  
School: Chesapeake Bay Governor’s School

**Third Place**  
Name(s): Renee Meade  
School: Chesapeake Bay Governor’s School

**Second Place**  
Name(s): Emma McKee  
School: Chesapeake Bay Governor’s School

**First Place**  
Name(s): James Licato  
School: Washington-Lee High School
EARTH AND ENVIRONMENTAL SCIENCE D

Honorable Mention
Name(s) Laurel Seay
School Central Virginia Governor’s School

Honorable Mention
Name(s) Fareed Sheriff
School Mills E. Godwin High School

Third Place
Name(s) Anna Vargas
School New Horizons Governor School

Second Place
Name(s) Joe Vimalathithan
School Clover Hill High School

First Place
Name(s) Tahi Wiggins
School Chesapeake Bay Governor’s School

HUMAN BEHAVIOR

Honorable Mention
Name(s) Jonathan Bierly
School George H. Moody Middle School

Honorable Mention
Name(s) Oliver Frankel
School Sabot at Stony Point

Honorable Mention
Name(s) Qingyuan Hu
School George H. Moody Middle School

Third Place
Name(s) Risshi Naavaal
School George H. Moody Middle School

Second Place
Name(s) Fares Elsherbiny & Caleb Morgan
School Louise Benton Middle School

First Place
Name(s) Aashka Shah
School George H. Moody Middle School
MATHEMATICS: PATTERNS & RELATIONSHIPS

Third Place
Name(s) Maya Jones
School Thomas Jefferson Middle School

Second Place
Name(s) Eilaf Aljasari
School George H. Moody Middle School

First Place
Name(s) Grant Lee
School George H. Moody Middle School

MATHEMATICS: THEORETICAL & MODELING

Honorable Mention
Name(s) Emma Berver
School Washington-Lee High School

Third Place
Name(s) Cameron Sharma
School Mills E. Godwin High School

Second Place
Name(s) Gavin McCabe, Jacob Rice, Kai Vylet
School New Horizons Governor School

First Place
Name(s) Maria Stuebner
School New Horizons Governor School
### MEDICINE AND HEALTH A

<table>
<thead>
<tr>
<th>Category</th>
<th>Name(s)</th>
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<tr>
<td>Honorable Mention</td>
<td>Callie Booth</td>
<td>Central Virginia Governor’s School</td>
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<td>Nikhil Challa</td>
<td>Mills E. Godwin High School</td>
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<td>Charlie Jones</td>
<td>Southwest Virginia Governor’s School</td>
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<tr>
<td>Third Place</td>
<td>Audrey Carlson</td>
<td>Central Virginia Governor’s School</td>
</tr>
<tr>
<td>Second Place</td>
<td>Katie Harrison</td>
<td>Central Virginia Governor’s School</td>
</tr>
<tr>
<td>First Place</td>
<td>Shan Lateef</td>
<td>Thomas Jefferson High School</td>
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### MEDICINE AND HEALTH B

<table>
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<tr>
<th>Category</th>
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<tr>
<td>Honorable Mention</td>
<td>Elizabeth Wilding</td>
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<td>Nathan Wu</td>
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<td>Edward Zhang</td>
<td>Mills E. Godwin High School</td>
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<td>Third Place</td>
<td>Karuna Ramnani</td>
<td>Mills E. Godwin High School</td>
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<tr>
<td>Second Place</td>
<td>Grace Walters</td>
<td>Mills E. Godwin High School</td>
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<tr>
<td>First Place</td>
<td>Ashish Vaidyanathan</td>
<td>Mills E. Godwin High School</td>
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### MICROBIOLOGY AND CELL BIOLOGY A

<table>
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<td>Honorable Mention</td>
<td>Ellianna Bailey</td>
<td>Chesapeake Bay Governor’s School</td>
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<td>Emiko Ebreneyin</td>
<td>Central Virginia Governor’s School</td>
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<td>Graysen Adams</td>
<td>Central Virginia Governor’s School</td>
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<tr>
<td>Third Place</td>
<td>David Kang</td>
<td>John Randolph Tucker High School</td>
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<tr>
<td>Second Place</td>
<td>Lauren Frampton</td>
<td>Roanoke Valley Governors School</td>
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<tr>
<td>First Place</td>
<td>Logan Dunkenberger</td>
<td>Roanoke Valley Governor’s School</td>
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### MICROBIOLOGY AND CELL BIOLOGY B

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<tr>
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<td>Constance Newell</td>
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<td>Elina Rastegar</td>
<td>Mills E. Godwin High School</td>
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<tr>
<td>Third Place</td>
<td>Leem Taha</td>
<td>Mills E. Godwin High School</td>
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<tr>
<td>Second Place</td>
<td>Hamna Shafiq</td>
<td>Washington-Lee High School</td>
</tr>
<tr>
<td>First Place</td>
<td>Claire Morton</td>
<td>Blacksburg High School</td>
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PHYSICAL SCIENCE & ASTRONOMY

Honorable Mention  
Name(s)  
Isla Carlson  
School  
Gunston Middle School

Honorable Mention  
Name(s)  
Juliet Geers  
School  
Thomas Jefferson Middle School

Honorable Mention  
Name(s)  
Dylan Hill-Joyce  
School  
Sabot at Stony Point

Third Place  
Name(s)  
Tom Meyers  
School  
Sabot at Stony Point

Second Place  
Name(s)  
Farouk Boudjema & Cameron Gleaton  
School  
Swanson Middle School

First Place  
Name(s)  
Lorenzo Mazzeo  
School  
Sabot at Stony Point

PHYSICS & ASTRONOMY

Honorable Mention  
Name(s)  
Madison Markham  
School  
Central Virginia Governor’s School

Honorable Mention  
Name(s)  
Arupava Saha  
School  
Mills E. Godwin High School

Honorable Mention  
Name(s)  
Brett Zimmermann  
School  
Clover Hill High School

Third Place  
Name(s)  
Mary O’Sullivan  
School  
Chesapeake Bay Governor’s School

Second Place  
Name(s)  
Justin Wang  
School  
Chantilly High School

First Place  
Name(s)  
Katelyn Roberts  
School  
Clover Hill High School
### PLANT SCIENCES & MICROBIOLOGY

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<td>Laasya Konidala</td>
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<td>Benjamin Portner</td>
<td>Williamsburg Middle School</td>
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<tr>
<td>Honorable Mention</td>
<td>Vishnoy Vadakkancheri</td>
<td>George H. Moody Middle School</td>
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<tr>
<td>Third Place</td>
<td>Aria Merrill</td>
<td>Thomas Jefferson Middle School</td>
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<tr>
<td>Second Place</td>
<td>Ellie Rowland</td>
<td>Thomas Jefferson Middle School</td>
</tr>
<tr>
<td>First Place</td>
<td>Charlotte Haldeman Papacosma</td>
<td>Gunston Middle School</td>
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### PSYCHOLOGY A

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<td>Emily Lionberger</td>
<td>Mills E. Godwin High School</td>
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<td>Honorable Mention</td>
<td>Michaela McCormack</td>
<td>T.C. Williams High School</td>
</tr>
<tr>
<td>Honorable Mention</td>
<td>Noah Keeney</td>
<td>Central Virginia Governor’s School</td>
</tr>
<tr>
<td>Third Place</td>
<td>Alicia Hundley</td>
<td>Southwest Virginia Governor’s School</td>
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<tr>
<td>Second Place</td>
<td>Meah Ellis</td>
<td>Central Virginia Governor’s School</td>
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<tr>
<td>First Place</td>
<td>Naomi Abramowicz &amp; Rachel Brill</td>
<td>Washington-Lee High School</td>
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PSYCHOLOGY B

Honorable Mention
Name(s): Collin Murphy
School: Mills E. Godwin High School

Honorable Mention
Name(s): Vijay Nagandla
School: Mills E. Godwin High School

Honorable Mention
Name(s): Annabelle Paulette
School: Central Virginia Governor’s School

Third Place
Name(s): Savannah Spencer
School: Southwest Virginia Governor’s School

Second Place
Name(s): Ryan Poquis
School: Mills E. Godwin High School

First Place
Name(s): Hannah Swann
School: Chesapeake Bay Governor’s School

STATISTICAL ANALYSIS & INFERENCES

Third Place
Name(s): Jerry Zhang
School: Mills E. Godwin High School

Second Place
Name(s): Jamael Smith
School: Central Virginia Governor’s School

First Place
Name(s): Allyson Wang
School: Mills E. Godwin High School
<table>
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<th>ZOOLOGY</th>
<th>Name(s)</th>
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<tr>
<td>Honorable Mention</td>
<td>Christopher Marotta</td>
<td>Central Virginia Governor’s School</td>
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<td>Honorable Mention</td>
<td>Mia Varghese</td>
<td>Glen Allen High School</td>
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<tr>
<td>Third Place</td>
<td>Katherine Casper</td>
<td>Chesapeake Bay Governor’s School</td>
</tr>
<tr>
<td>Third Place</td>
<td>Rosalina Volo</td>
<td>Chesapeake Bay Governor’s School</td>
</tr>
<tr>
<td>Second Place</td>
<td>Christina Pellico</td>
<td>West Potomac High School</td>
</tr>
<tr>
<td>First Place</td>
<td>Henry Ge</td>
<td>Mills E. Godwin High School</td>
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</table>
BEST OF CATEGORY AWARDS
These awards are given to the best project in certain categories.

VAS BOTANY AWARD
The award is given by the Botany Section of the Virginia Academy of Science, to the best paper on a botanical subject.

Name(s) Sophia Link
School Blacksburg High School

RODNEY C. BERRY CHEMISTRY AWARD
The Rodney C. Berry Chemistry Award is given for the paper that evidences the most significant contribution in the field of chemistry.

Name(s) Lars Wirstrom
School Mathematics & Science School at Ocean Lakes High School

WILLIAM W. BERRY ENGINEERING AWARD
This award is given by Dominion Energy in honor of Mr. William W. Berry who was a past Chairman of the Board of Virginia Power.

Name(s) Alexandra Barrett
School Southwest Virginia Governor’s School

Name(s) Jadelin McLeod
School Harrisonburg High School

ANN M. HANCOCK CELLULAR BIOLOGY AWARD
This award is given to the best paper in cellular biology and is presented in memory of Anne M. 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.

Name(s) Lauren Frampton
School Roanoke Valley Governor’s School

Name(s) Claire Morton
School Blacksburg High School
**MATHEMATICS AWARD**
The Mathematics Award is given for the paper that evidences the most significant contribution in the field of Mathematics.

*Name(s)*  Maria Stuebner  
*School*  New Horizons Governor School  

**STATISTICS AWARD**
The Statistics Award is given for the paper that evidences the most significant contribution in the field of Statistics.

*Name(s)*  Allyson Wang  
*School*  Mills E. Godwin High School  

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

*Name(s)*  Henry Ge  
*School*  Mills E. Godwin High School
SPECIAL INTEREST AWARDS & SCHOLARSHIPS

Students apply for these awards and they are evaluated by a special panels of judges from the awarding bodies and/or group of special judges.

CANCER RESEARCH AWARD
These awards are to recognize outstanding science papers related to cancer research. These awards are provided by the American Cancer Society.

Name(s)  Ashish Vaidyanathan
School        Mills E. Godwin High School

DR. AND MRS. PRESTON H. LEAKE AWARD IN APPLIED CHEMISTRY
The Dr. and Mrs. Preston H. Leake Award in Applied Chemistry is 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.

Name(s)  Natalie Aramendia & Lillian Watson
School        Washington-Lee High School

ROSCOE HUGHES GENETICS AWARD
The Roscoe Hughes Award is given for the best paper in the field of Genetics.

Name(s)  Unmesha Vullikanti
School        Blacksburg High School

DR. SMITH SHADOMY INFECTIOUS DISEASES AWARD
This award is given to commemorate Dr. Smith Shadomy by the Virginia Chapter of the National Foundation for Infectious Diseases to the paper that evidences outstanding research in the field of infectious diseases.

Name(s)  Cameron Sharma
School        Mills E. Godwin High School
SPELEOLOGICAL SOCIETY AWARD
Given by the Richmond Area Speleological Society for outstanding research addressing karst or topics related to speleology (bats, caves, carbonate geology, paleoenvironments, limestone fossils, sinkholes, etc.)

Name(s)  Paige David
School  Central Virginia Governor’s School

VIRGINIA MUSEUM OF NATURAL HISTORY (VMNH) AWARD
This award is presented by the Friends of the Virginia Museum of Natural History in recognition of a significant contribution in the study and interpretation of Virginia's Natural Heritage.

Name(s)  Kenneth Beam
School  Chesapeake Bay Governor’s School

VIRGINIA SEA GRANT COLLEGE PROGRAM AWARD
This award is given by the Virginia Sea Grant College Program for outstanding marine or coastal research.

Name(s)  Tahi Wiggins
School  Chesapeake Bay Governor’s School

GAMMA SIGMA DELTA AWARD
The Gamma Sigma Delta Award is presented by the Virginia Tech Chapter of the Honor Society of Agriculture. This award is given in recognition of excellence in research dealing with application of new technologies and/or concepts in agriculture forestry, or veterinary medicine.

Name(s)  Belen Tesfaye & Mahia Rahman
School  Washington-Lee High School
BETHEL HIGH SCHOOL SCHOLARSHIP
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 student's presentation and paper.

Name(s)   James Licato
School     Washington-Lee High School

HENRY MACKENZIE ENVIRONMENTAL SCHOLARSHIP (VEE)
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 Environmental 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.

Name(s)   Tahi Wiggins
School     Chesapeake Bay Governor’s School

FRANCES AND SYDNEY LEWIS ENVIRONMENTAL SCHOLARSHIP (VEE)
Frances and Sydney Lewis Environmental Scholarship: A $5,000 scholarship 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.

Name(s)   James Licato
School     Washington-Lee High School
VJAS HONOR AWARDS & 
VAS BEST OF SYMPOSIUM RESEARCH 
AWARDS

All first place section papers are screened by a panel of special judges.

DOROTHY KNOWLTON AWARD
This award is given to the Middle School student presenting the best paper in the life sciences. It is presented in honor of Dorothy Knowlton, the former Science Coordinator of Arlington County, who was instrumental in advancing experimental design within the science curriculum.

Name(s)  Desmen Boykin
School  Graham Park Middle School

JOYCE K. PETERSON AWARD
This award is given to the Middle School student presenting the best paper in the physical sciences. It is presented in honor of Mrs. Joyce K. Peterson who has been an outstanding teacher in the Arlington County Schools.

Name(s)  Aaryan Asthana
School  George H. Moody Middle School

CATESBY JONES AWARD
This award is given to the 12th grade senior student whose paper evidences the most significant contribution to science.

Name(s)  Logan Dunkenberger
School  Roanoke Valley Governor’s School
THE VAS BEST OF SYMPOSIUM RESEARCH AWARDS
(The AAAS/AJAS TRIP AWARD)
These awards are given by the Virginia Academy of Science to papers in grades 8-11, presenting the most outstanding papers at the Research Symposium. The winners will be invited to attend the annual meeting and present their papers as a poster presentation before the American Junior Academy of Science (AJAS), which meets concurrently with the American Association for the Advancement of Science (AAAS). The 2020 AAAS/NAAS/AJAS meeting will be held in February in Seattle, Washington.

The grand winners and their teacher sponsors will be covered to attend the AJAS meeting. The alternates and teacher sponsors may attend by covering their own costs OR be covered if one of the grand winners are unable to attend.

2nd Alternate Name(s) Shan Lateef
School Thomas Jefferson High School

1st Alternate Name(s) Maria Stuebner
School New Horizons Governor School

Winner Name(s) James Licato
School Washington-Lee High School

Winner Name(s) Desmen Boykin
School Graham Park Middle School

ERTLE THOMPSON MEMORIAL ENDOWMENT AWARD
The Ertle Thompson Memorial Endowment Award is established to honor Dr. Ertle Thompson. These awards will be presented annually to the grand winners of the Research Symposium, to financially assist the winners to the annual meeting of the American Association for the Advancement of Science and the American Junior Academy of Science.

Winner Name(s) James Licato
School Washington-Lee High School

Winner Name(s) Desmen Boykin
School Graham Park Middle School
**DR. R. DEAN DECKER HONORARIUM AWARD**

The Dr. R. Dean Decker Honorarium award this year of $500 each is to go to the teacher/sponsor of the two top student winners of the AJAS trip. The monies can be used at the discretion of the recipients as long as it is related to the attendance at the AJAS meeting. Guidelines and procedures for the recipients will follow later.

<table>
<thead>
<tr>
<th>Winner</th>
<th>Name(s)</th>
<th>School</th>
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<tr>
<td></td>
<td>Mary Fretts (Teacher Sponsor of James Licato)</td>
<td>Washington-Lee High School</td>
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<tr>
<td></td>
<td>Terressa M. Boykin (Parent Sponsor of Desmen Boykin)</td>
<td>Graham Park Middle School</td>
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VAS/ VJAS HONOR AWARDS FOR ADULTS

The VJAS Committee recognizes and presents these awards for outstanding service.

VAS HONORARY MEMBERSHIP
This award which includes one year’s membership in the Virginia Academy of Science including a subscription to the Virginia Journal of Science is awarded for outstanding service to the Junior Academy and the VJAS Committee.

Name(s)  Cassia Block
School  St. Mary’s College of Maryland / Washington-Lee High School

VAS AWARD FOR DEDICATED SERVICE TO VJAS
The support of VAS makes all of this possible, In addition to several awards that have already been given by VAS, this award recognizes past VJAS officer or VJAS member who has continued to provide support as volunteer to the Junior Academy even after completion of high school.

Name(s)  < NONE >

VJAS DISTINGUISHED SERVICE AWARD
A special certificate is presented to a person for exceptionally outstanding service to the VJAS and public recognition is given at the Research Symposium. This is the most prestigious award that the VJAS Committee gives.

Name(s)  Robin Curtis

THE FRANKLIN D. KIZER DISTINGUISHED SERVICE AWARD
(Replaces the former E.C.L. Miller Science Teacher of the Year Award)
This award recognizes the exceptional contributions to VJAS of a STEM teacher.

Name(s)  Dawn McCoart
School  Washington-Lee High School

THE FRANKLIN D. KIZER SCIENCE TEACHER OF TOMORROW AWARD
This award recognizes an outstanding Virginia science teacher and provides an opportunity for professional development through attendance at the annual VAST meeting.

Name(s)  Kristin Gogal
School  Swanson Middle School
VJAS STUDENT OFFICER COMMITTEE

2018-2019 Student Officers, outgoing students for recognition
PRESIDENT: TOWNSON COOKE, T.C. WILLIAMS HIGH SCHOOL
SECRETARY/HISTORIAN: PRANAAV RAO, MILLS E. GODWIN HIGH SCHOOL
EDITOR-IN-CHIEF: JUSTIN WANG, CHANTILLY HIGH SCHOOL
STEM CHAIR: JAKOB YIRGA, MILLS E. GODWIN HIGH SCHOOL
COMMUNICATION LIAISON: SELIK MORISHETTY, HENRICO HIGH SCHOOL
REGIONAL DIRECTOR: SPENCER MACTURK, MILLS E. GODWIN HIGH SCHOOL
REGIONAL DIRECTOR: HALEY BAREFOOT, CLOVER HILL HIGH SCHOOL
OFFICER ALUMNI: KAYLA HOLSTON
OFFICER ALUMNI: AMRUTA PONUGUPATI

2019-2020 Student Officers, Inducted on May 23, 2019 at Old Dominion University
PRESIDENT: SHAN LATEEF, THOMAS JEFFERSON HIGH SCHOOL
VICE PRESIDENT: CLAIRE MORTON, BLACKSBURG HIGH SCHOOL
SECRETARY: ABHISNEK KULKARNI, MILLS E. GODWIN HIGH SCHOOL
CO-EDITORS-IN-CHIEF: KARUNA RAMNANI, MILLS E. GODWIN HIGH SCHOOL
CO-EDITORS-IN-CHIEF: NOAH PORTER, WASHINGTON-LEE HIGH SCHOOL
COMMUNICATION LIAISON: CHRISTOPHER MAROTTA, CENTRAL VIRGINIA GOVERNOR’S SCHOOL

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