

Members of the Senior Class

Jae Sung Bae	Prabdeep Singh Mathone
Madalyn Elizabeth Baldwin**	Matthew Benjamin McAden
Megan Christine Beisser**	Logan James Merkle
Leland Edward Bertrand*	Richard Scott Middaugh*
Lindsay Ellen Bohn*	Sandeep Murthy*
Lauren Nicole Brittigan*	Amanda Leigh Myrick*
Jessica Lauren Bryant**	Sara Basma Natour*
Benjamin Michael Cavanaugh*	Althea Jeannette Neighbors
Ana Rosa Cedillo**	Blake Andrew Nowakowski**
Mohammad Abuzer Chaudhry	Judith Anastacia Nunley
Byunghun (Danny) Choi	Christopher Milton Olson, Jr.
Chris Ho-yi Chueh	Benjamin Alexander Ottman**
Patrick Byrne Cundiff	Jordan Nicole Pfau**
Samuel Joseph Fedeler**	Kelsey Elizabeth Plankeel*
Elizabeth Naomi Francis*	Nicolai Curt Reed
Aurora Lee Frejosky	Braelyn Michelle Riner**
Brittany M. Gallahan	Kevin-Jude John Sankoorikal
JonKyle Evan Goldman*	Seth Carl Shank
Amelia Marie Greene*	Jacob Stanley Slagle*
Elizabeth Frances Hamilton	Lindsay Nicole Stephens*
Kara Ashleigh Hudson	Joshua Edgar Stone
Christopher James Johnson**	Matilda Daus Sullivan*
Esther Kim**	Sarah Catherine Tucker**
Samuel Jinsoo Know*	Chelsea Alynne Umberger*
Wesley Freeman Kuegler**	Bradley Joseph Wetzel
Danielle Lynette Lee*	Cassie Christine Willis*
Michael Paul Lichtenberger	Ryan Hunter Wilson*
Evan Braxton Lindsay*	Geony Daniel Yoo*
Simeon Brant Manning	Hannah Yoo**
Glenna McLaughlin Manns**	Jason Gong Zhang**
Casey Lee Martin**	

* Earned all A's at least one grading period this year

** Earned all A's every grading period this year

Central Virginia Governor's School



Recognition Ceremony
April 28, 2014
7 p.m.

Boards and Advocates

GOVERNING BOARD

Greg Smith, Appomattox County Schools; Chairperson
John Hicks, Bedford County Schools; Vice Chair
Roger Akers, Campbell County Schools
Tom Webb, Lynchburg City Schools
Alan Wood, Amherst County Schools
Dorinda Grasty,** Appomattox County Schools;
Superintendent-in-Charge

INDUSTRIAL ADVISORY BOARD

Jared Anderson*	Elizabeth Narehood
Cheryl Gerlich**	Todd Owen*/**
Lewis Hartless*	Patrick Proffitt
Ross Meyer	Jeff Seals**
Jim Morgan**	Jaime Sigler*
Scott Nagley**	Cheryl Warren

FOUNDATION BOARD

Patsy Adams**	Bob Leveque**
Pam Bradford**	Terry Martin**
Ashley Carrington**	Grace Newton**
Carrington Crawford*	Kenneth Nowakowski**
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John Hall*	Lori Snead*
Peggy Hobbs**	Donna Stuart**

DIVISION AND SCHOOL ADVOCATES

Brendon Albon	Judy Hanson
Annette Bennett	Regina Harris
April Bruce	Jason Jamerson
Leslie Clark	Mark Mear
Susan Dalton	Elizabeth Newby
Traci Daniels	Janet Reynolds
Denver Drennen	Karen Richardson
Tammie Hall	Robyn Whorley

*CVGS Graduate

**CVGS Parent

Members of the Junior Class

Mazin Ahmad**	Lucas Longo*
Maira Ashraf	Lisa Lotz**
Dan Brown**	Mikayla Marraccini
Tim Burnette**	Ravdeep Mathone**
Lauren Calvert*	Jamie May**
Cole Campbell	Caeley McMillan
Mikayla Carlton	Rachel Nagley**
Kate Carrington**	Will Norvelle**
Thomas Cavanaugh*	James Ogden
Chelsea Cereghino**	Daniel Oliver
Rebekah Chun**	Joshua Paragas**
Ally Dray	Cailean Parker
Erika Esterline*	Lauren Poletti**
Glenn Field**	Caymen Rexrode**
Sierra Foster*	Jenny Roach
Nick Frady*	Rafael Rodriguez-Loya
Trevor Gannicott*	Haley Roeser**
Danielle Garrett*	Laura Saunders
Averie Good*	Galen Shen**
Kayla Goumas*	Zeke Shen*
Kathryn Grachan**	Dakota Shepherd
Tristan Harrison	Alex Singy*
Krista Hartmann**	CT Skorcz**
Matt Hazelwood*	Cassie Smith*
Sammy Howard**	Jacob Spano
Olivia Hsu**	Payne Tarkenton**
Hamza Ilyas*	Beth Terry
Meagan Kenney**	Brandon Walker**
Luke Kreeger	Tyler Williams*
Shannon Laughlin**	Anna Wingfield
Sam Lee*	Caroline Wood

* Earned all A's at least one grading period this year

** Earned all A's every grading period this year

Research Support

SUPPORT MENTORS

Bob Bailey, CAER

Loreto Barcos, University of Virginia

Daniel Bishop, Brunel, London

Jean Bower, Salt Lake Community College

Joanna Corby, University of Virginia

William Dirienzo, University of Virginia

Roseanne Ford, University of Virginia

Priscilla Gannicott, Lynchburg College

Kelly Hazlegrove, Virginia DEQ

Ulrike Heberlein, Janelia Farm Research Campus

Jay Hirsh, University of Virginia

Capt. Scott Horadan, United States Navy

Kristen Jones, University of Virginia

Rebecca Kohn, Ursinus College

Nathan Lau, CAER & University of Virginia

Hyeonjin Lee, University of Virginia

Richard Okimoto, Central Virginia Community College

Lt. Cmdr. Christopher Ryder, United States Navy

R. Lee Saunders, Dentist

Peter Sheldon, Randolph College

Col. Robert Smith, United States Air Force

Matthew Sullivan, Ithaca College

CVGS INSTITUTIONAL REVIEW BOARD

Randolph College

Dennis Goff

Beth Schwartz

Holly Tatum

Lynchburg College

Alisha Marciano

Bianca Sumutka

Don Werner

CVGS RESEARCH STAFF

Shannon Beasley, Lead Research Instructor and Mentor

Cheryl Lindeman, Research Instructor and Mentor

Stephen C. Smith, Statistics Instructor and Mentor

Program for the Evening

WELCOME

RECOGNITION OF SPECIAL GUESTS

Superintendents and Principals

Governing Board

Division and School Advocates

Industrial Advisory Board

Foundation Board

RECOGNITION OF STUDENT LEADERS

Student Activities Board

CVGS Ambassadors

RECOGNITION OF MENTORS AND SPONSORS

RECOGNITION OF PARENT VOLUNTEERS

RECOGNITION OF STUDENT ACHIEVEMENT

Science Fair and Research Awards

"Straight A" Awards

Course and Special Awards

Brandi Nichols Leadership Award

Larbie Mensah Scholarship

Faculty Award of Excellence

Foundation Scholarships

PROGRAM COMPLETION CERTIFICATES

RECEPTION

2014 Internship Sponsors

Abbott Laboratories
Access Health Care
AECOM
Amherst Elementary School (new sponsor)
Appomattox Elementary School
AREVA
Babcock & Wilcox Nuclear Operations Group
Bedford Animal Hospital
Boonsboro Animal Hospital
C. B. Fleet, Inc.
Center for Advanced Engineering and Research
Centra
 Central Virginia Neurosurgery
 Lynchburg General Hospital
 Lynchburg Internal Medicine
 Neurosciences Institute
 Pearson Cancer Center
 Stroobants Cardiovascular Center
Central Virginia Family Dentistry
Central Virginia Oral & Facial Surgery (new sponsor)
Ceramic Tubular
City of Lynchburg Nature Zone (five year sponsor)
Commonwealth Pain Relief Center
Forest Dental Center
Forest Middle School
Garman & Proffitt, PT
Glad Manufacturing
Harris Corp., RF Communication Division
Laurel Regional Program
Lynchburg City Schools
Lynchburg Dental Center

Junior Research Projects

Sam Lee*§	An analysis of the feasibility of a superconducting maglev launch system based on the Meissner effect
Lucas Longo	The abundance and diversity of benthic macroinvertebrates at Ivy Creek Park, Lynchburg, VA
Lisa Lotz*	The effects of musical pitch and instrumentation on pre-performance listening on choice reaction time performance
Mikayla Marraccini*	The effect of <i>Embllica officinalis</i> on the pigmentation of <i>Dugesia dorotocephala</i>
Ravdeep Mathone*§	The effects of light cycles on courtship behaviors of male <i>Drosophila melanogaster</i>
Jamie May	The effect of music on stress levels in teenagers
Caeley McMillan	The Placebo Effect on swim times of adolescents
Rachel Nagley*§£	The effect of texturizing the surface of polydimethylsiloxane (PDMS) by various methods on the formation of biofilms in microfluidic channels
Will Norvelle	Studying supermassive black holes and their accretion disks utilizing megamasers
James Ogden*	The effect of tire tread patterns on road surface traction
Daniel Oliver	The effect of Acacia Gum Arabic on seed germination of <i>Pueraria lobata</i>
Josh Paragas	The effect of <i>Embllica officinalis</i> on the regeneration time of <i>Dugesia dorotocephala</i>
Cailean Parker*	An examination of the correlation between temperature and efficiency in photovoltaic systems
Lauren Poletti@	An analysis of postoperative infections among vascular surgery patients in Lynchburg, VA
Caymen Rexrode*	The effect of organic pollutants on the growth of <i>Lemna minor</i> in an aquatic environment
Jennifer Roach*	The effect of increasing concentrations of Imidacloprid on the regeneration of <i>Dugesia dorotocephala</i>
Rafael Rodriguez-Loya	Comparison of wood flooring exposed to household deterioration
Haley Roeser*@⊙§	Examining the relationships between Type II Diabetes and four related variables
Laura Saunders	The effect of brain games on cognitive function in adults
Galen Shen*§£	Hydrogen and Helium recombination lines towards the galactic center using Sagittarius B2 as a bright continuum source
Zeke Shen	The effect of psychological pressure on golf putting performance
Dakota Shepherd	The effects of coil diameter on the voltage output of electrical generators
Alex Singy	Factors affecting athletes with Anterior Cruciate Ligament (ACL) reconstruction surgery not to return to sport
CT Skorcz	The differences between two-dimensional and three-dimensional teaching methods
Cassie Smith	The effect of reverse order recall on lie detection accuracy
Jacob Spano	The effect of mental strategies on penalty kick accuracies
Payne Tarkenton	The relationship between heading a soccer ball and memory function
Beth Terry	The effect of a relaxation technique on stressful task completion efficiency
Brandon Walker	The effect of music on an adolescent's sleep quality at night
Tyler Williams*§	The effect of cows on the water quality of a branch of Button Creek, Rustburg, VA
Anna Wingfield*	The effect of time on the validity of Piagetian Pre-operational stage theories
Caroline Wood	Monitoring the water quality of the James River, Lynchburg, VA from September to December

The key for research awards is at the bottom of the second page of Internship Sponsors.

Junior Research Projects

Mazin Ahmad*	The effects of <i>E. officinalis</i> on the growth of <i>S. epidermidis</i> and <i>E. aerogenes</i>
Maira Ashraf	Growth of Agrobacterium under stress conditions
Daniel Brown	The effect of inaccurate time feedback on performance time in a 3200 meter run
Tim Burnette*§£	The effects of varying photoperiods on hypocotyl lengths in <i>Arabidopsis thaliana</i>
Lauren Calvert	Determining the relationship between years of sport involvement and personality differences
Cole Campbell	Is an individual's preference of attraction a generationally consistent behavior?
Mikayla Carlton*§	The effect of exogenous melatonin on the diurnal phototactic behavior of <i>Daphnia magna</i>
Kate Carrington*	The effect of siblings on the social skills of second grade students
Thomas Cavanaugh	The effect of winglet angle on lift-to-drag ratios
Chelsea Cereghino*§	Nodulation and nitrogen fixation by symbiosis plasmid transformed <i>Rhizobium</i> species with clover plants
Rebekah Chun@☉	The effect of disturbance in circadian rhythm on <i>Drosophila melanogaster's</i> Ethanol preference and survival rate
Ally Dray	The effect of static and dynamic stretching on vertical jump performance on volleyball players
Erika Esterline*	The effect of superstitious beliefs on high school students and their propensity to make risky decisions
Glenn Field*	How super absorbent polymer beads react to alcohols and an ester
Sierra Foster	The effect of truthful and false statements on the blink rate of high school students
Nick Frady	Star formation in Sagittarius B2
Trevor Gannicott	The effect of Kinesio Tex Tape application on the running speeds of high school athletes
Danielle Garrett*§	The synergistic effect of Ethanol and Ibuprofen on the central nervous system of <i>Daphnia magna</i>
Averie Good	Searching for megamasers in the local universe
Kayla Goumas	Characterization of amounts of <i>E. coli</i> versus coliform colonies observed on "unwashed" and "pre-washed" romaine lettuce
Kathryn Grachan*	The effects of motor oil exposure on the hatch rate, maturation, and behavior of <i>Artemia salina</i>
Tristan Harrison	The effect of Techno, Irish Pop, and Classical music on the heart rate of an average eleventh grade student
Krista Hartmann*	The effect of various stressors on the viability of probiotic bacteria in yogurts
Matt Hazelwood*@	Having a bad air day?
Sammy Howard	The effect of varying the length of interview responses on a subject's overall employability
Olivia Hsu	The effect of submaximal exercise on attention levels in elementary school students
Hamza Ilyas*	What effect do different whitening methods have on teeth soaked in coffee?
Meagan Kenney*§	The effects of an eye-closure technique on identification accuracy from photo lineups
Luke Kreeger	The effects of catalase on the color of human gray hair
Shannon Laughlin*@	The effectiveness of non-pathogenic bacteria (<i>Escherichia coli</i> and <i>Pseudomonas putida</i>) in the degradation of polyethylene

The key for research awards is at the bottom of the second page of Internship Sponsors.

2014 Internship Sponsors

Lynch's Landing Inc.
 Midwest ATC, Air Traffic Control Tower
 nCore Inc. (new sponsor)
 NovaTech
 Old City Cemetery Museums & Aboretum
 Orthopaedic Center of Central Virginia
 Peaks View Animal Hospital (ten year sponsor)
 Rehabilitation Associates of Central VA - Amherst
 Rehabilitation Associates of Central VA - Hurt (new sponsor)
 Rehabilitation Associates of Central VA - Lynchburg
 Rehabilitation Associates of Central VA - Timberlake (new)
 Seven Hills Veterinary Hospital
 Shannon L. Compton, O.D. & Associates, P.C.
 Tomahawk Elementary School (five year sponsor)
 Town of Amherst
 VA Department of Transportation
 Wiley|Wilson

Assistance with Short-Term and Special Assignment Internships

Bank of the James - Chip Umberger

BB&T - Joel Riley

Piedmont Eye Center- Dr. Bowers

MontVue Capital - John Hall

RESEARCH PROJECTS AWARDS KEY

* Received award at the Central Virginia Regional Science Fair

§ Presented at the Virginia State Science Fair

£ Received an award at the Virginia State Science Fair

@ Presented at Virginia Junior Science & Humanities Symposium

☉ Received an award at the Virginia JS & H Symposium

Student Leadership

CVGS AMBASSADORS

Maddy Baldwin	Appomattox County High School
Megan Beisser	Liberty High School
Jessie Bryant	Rustburg High School
Elizabeth Francis	Jefferson Forest High School
Brittany Gallahan	Rustburg High School
Kyle Goldman	Amherst County High School
Glenna Manns	Jefferson Forest High School
Casey Martin	Appomattox County High School
Sara Natour	E.C. Glass High School
Judy Nunley	Heritage High School
Jordan Pfau	Brookville High School
Sarah Tucker	Brookville High School
Cassie Willis	Jefferson Forest High School
Hunter Wilson	Jefferson Forest High School

STUDENT ACTIVITIES BOARD

Lee Bertrand	Josh Stone*
Sunny Murthy**	Chelsea Umberger
Amanda Myrick	

* Denotes a board officer

**Denotes the president of the board

Research Awards

VIRGINIA STATE SCIENCE FAIR AWARDS

Physics and Astronomy, Second Place	Galen Shen
Engineering Materials & Bioengineering, Third Place	Rachel Nagley
Virginia Dental, \$100 Award	Tim Burnette

CENTRAL VIRGINIA REGIONAL SCIENCE FAIR

GRAND AWARDS

Biological Sciences, Grand Award	Mikayla Carlton*
Physical Sciences, Grand Award	Sam Lee*
Biological Sciences, Grand Alternate	Anna Wingfield
Physical Sciences, Grand Alternate	Rachel Nagley

**Ms. Carlton and Mr. Lee will present at the Intel International Science and Engineering Fair in the City of Los Angeles, CA, May 11- 16.*

CENTRAL VIRGINIA REGIONAL SCIENCE FAIR

FIRST PLACE AWARDS

Animal Sciences	Ravdeep Mathone
Behavioral and Social Sciences	Anna Wingfield
Chemistry and Biochemistry	Glenn Field
Energy and Transportation	Sam Lee
Engineering	Rachel Nagley
Environmental Science	Tyler Williams
Mathematical Sciences	Haley Roeser
Medicine and Health	Mikayla Carlton
Microbiology	Chelsea Cereghino
Physics and Astronomy	Galen Shen
Plant Sciences	Tim Burnette

Please refer to the "Junior Research Projects" section for additional notations of Regional Science Fair award winners.

VIRGINIA JUNIOR SCIENCE AND HUMANITIES

SYMPOSIUM AWARDS

Excellence in Life Sciences	Rebekah Chun
Excellence in Medicine and Health	Haley Roeser