FALL STUDENT SHOWCASE FOR RESEARCH & CREATIVE INQUIRY

Longwood University’s campus-wide student showcase is open to all who wish to attend. Students will present their projects in the form of posters, oral presentations, and performances.

TUESDAY • 27 NOVEMBER 2018 • 3:30 — 5:30 P.M.
BLACKWELL BALLROOM • MAUGANS ALUMNI CENTER
## Table of Contents

Acknowledgements ..................................................................................................................................... 4  
Grand Illumination ...................................................................................................................................... 5  
Oral Presentations ....................................................................................................................................... 6  
  - Honors English 400 Active Citizenship: An Advanced Writing Seminar Students .................. 6  
  - Independent Research Students ........................................................................................................ 6  
  - Biology 251 Introduction to Ecology and Evolution Students ....................................................... 7  
  - Biology 434 Ecosystem Ecology Students .......................................................................................... 7  
  - Biology 251 Introduction to Ecology and Evolution Students ....................................................... 8  
Performances ............................................................................................................................................... 9  
  - Theatre 433 Creative Dramatics for the Classroom Students ................................................................. 9  
  - Theatre 448 Integrated Arts/Theater Students .................................................................................... 9  
Poster Presentations – Session 1 ............................................................................................................... 10  
  - Chemistry 111 Fundamentals of Chemistry I Students ....................................................................... 10  
  - Chemistry 113 Chemistry Recitation Students .................................................................................. 10  
  - Department of Health, Athletic Training, Recreation, & Kinesiology Students ..................................... 10  
  - Education 433 Elementary Math, Science, and Social Studies Methods Students ............................. 11  
  - Biology 400 Unifying Biological Principles Students .......................................................................... 12  
  - Special Education 389 Survey of Exceptional Children Students ...................................................... 13  
  - Special Education 475 Language and Development Disorders Students ............................................. 14  
  - History 461 Senior Seminar Students .................................................................................................. 15  
  - Political Science 461 Senior Seminar Students .................................................................................... 15  
  - Independent Research Students .......................................................................................................... 16  
  - Summer 2018 Perspectives on Research in Science and Mathematics (PRISM) Students .............. 16  
  - Video Presentations- Communications 434 COMM Lab Students ...................................................... 17  
Poster Presentations – Session 2 ............................................................................................................... 18  
  - Prince Edward County Environmental Molecular Biology Institute Science Outreach Project ....... 18  
  - Prince Edward County High School Students ..................................................................................... 18  
  - Biology 250 Introduction to Cell Biology and Genetics Students ...................................................... 18  
  - Biology 305 General Microbiology Students ....................................................................................... 19  
  - Special Education 489 Survey of Exceptional Children Students ...................................................... 20  
  - Geography/Earth Science 356 Climatology Students ........................................................................... 20  
  - English 440 Studies in Literary History Students ............................................................................... 21  
  - Summer 2018 Perspectives on Research in Science and Mathematics (PRISM) Students .............. 21  
  - Cormier Honors College for Citizen Scholars Students ......................................................................... 22
Acknowledgements

Student Showcase Organizing Committee

Amorette Barber, Co-chair
Sarah Porter, Co-chair
Virginia Beard
Rhonda Brock-Servais
Stephanie Buchert
Mark Hamilton
Evan Long
Kat McKlesky
Michael Mergen
Jessi Secoy
Jessi Znosko
Crystal Anderson

The members of the Student Showcase Organizing Committee would like to thank the following offices and organizations on campus for support:

Academic Affairs
Cormier Honors College
Office of Admissions
Longwood Ambassadors
Grand Illumination

The holiday season isn’t complete without the twinkling, two-story-tall holiday tree in the Rotunda. Just before finals week, the community comes together to hear vivid descriptions of cherished Longwood traditions and watch as President Reveley lights the tree for the first time.

Please join us following the close of the second poster session and the oral presentations at 5:30 P.M. in the Rotunda of Ruffner Hall for this special Longwood holiday event.
Oral Presentations

Honors English 400 Active Citizenship: An Advanced Writing Seminar Students

Faculty Mentor: Dr. Heather Lettner-Rust
Maugans Alumni Center- Prince Edward Room
3:30 – 4:30 P.M.

3:30 – 4:30- Chloe Woodward, Madison Cutten, Alani Battle, Kelly Almeida, Taylor Bauer, Chase Quinn
  - The Art of Apology: A Basic Guide

3:30 – 4:30- Noah Carter, Bri Figueroa, Haily Joseph, Katy Kosiorek, Katy Sexton, Amanda Topping
  - Rhetoric of Apology: On the Road to Forgiveness

Independent Research Students

Maugans Alumni Center- Prince Edward Room
4:45 – 5:15 P.M.

4:45 – 5:00- Jordan Berkompas
Faculty Mentor: Dr. Thomas Wears, Department of Mathematics and Computer Science
  - The Geometry of Curves and using the Fels-Olver Moving Frame

5:00 – 5:15- James Gallagher
Faculty Mentor: Dr. Ben Campbell, Department of Biological and Environmental Sciences
  - Documenting Changes in Accepted Ecological Science
Biology 251 Introduction to Ecology and Evolution Students
Faculty Mentor: Dr. Ben Campbell
Maugans Alumni Center- Martinelli Board Room C
3:30 – 4:45 P.M.

3:30 – 3:45- Emily McCartney, Grace Freeman, Brandon Weaver
   - Crawfish Abundance in Still vs. Moving Water

3:45 – 4:00- Jen Betz, Chloe Finlay, Brandon Williams, Kirsten Gough
   - Bacteria in Rural & Urban Lakes

4:00-4:15- Hailey Bresnahan, Brandi Joyner, Ryan Servis
   - Biology 251 Group Project

4:15- 4:30- Alexey Lesnichi, Ashley Parran, Ariana Olds
   - The Abundance of Macroinvertebrates in Still vs. Flowing Water

4:30- 4:45- Christina Amoruso, Jaiden Ivey, Rachel Anderson
   - Biology 251 Group Project

Biology 434 Ecosystem Ecology Students
Faculty Mentor: Dr. Ken Fortino
Maugans Alumni Center- Martinelli Board Room C
5:00– 5:15 P.M.

5:00- 5:15- Kaylynn Batten, Carly Carter, Colin Dominick, Juli Gordon, Murrie Grimes, Connor Marshall, Jonathan Milisci, Morgan Tasseff
   - Light and nutrient limitation of net primary productivity in a pond and stream ecosystem
3:30 – 3:45- Kirsten Bauer, Kathryn Bates, Charlotte Pfamatter

- Assessing Local Water Quality Using the Model Organism *Daphnia magna*

3:45-4:05- Sarah Dooley, Hunter Gillespie, Jacob Jennings, Hartley Thacker

- The Highs and Lows of Soil Microfauna: Comparing Life within Soils at Different Elevations of Lancer Park

4:05- 4:25- Coleman Behne, Matt Jones, Raquel Perez, Brian White

- The Diversity of Riparian Macroinvertebrates of Briery Creek

4:25-4:40- Griffin Mayo, Graham Brown, Truman Blaha

- Abundance and Diversity of Birds in Urban, Suburban, and Rural Areas

4:40- 4:55- Dusty Eckard, AJ Okey-Uche, Nathan Mylott

- Thermal Tolerance of Ants

4:55- 5:15- Michael Ball, Ashley Coddington, Spencer Peeples, Sandy Tice

- Relationship of Storm Drainage to Plankton and Periphyton Populations in the Appomattox River

5:15- 5:30- Cammy Todd, Kelsey Thornton, Samuel Morgan, Abigail Harris

- The Effects of Different Soil Types on *Brassica Rapa* Growth
Performances

Theatre 433 Creative Dramatics for the Classroom Students

**Faculty Mentor: Dr. Ronda Scarrow**

Maugans Alumni Center- Virginia Room
3:30-4:00 P.M.

3:30- 4:00- Matthew Carley, Zoe Flippen, Sydney Griffin, Kenneth Hicks, Michaila Hyne, Bailey Johnson, Tiana Johnson, Jennifer Roegner, Payton Vernier, Trenton Woods

- 3, 2, 1-The Charlottesville Massacre

Theatre 448 Integrated Arts/Theater Students

**Faculty Mentor: Dr. Ronda Scarrow**

Maugans Alumni Center- Virginia Room
4:15-5:30 P.M.

4:15 – 4:45- Dylan Campbell, Mary-Virginia Clark, Morgan Garrison, Kelsey Hostetter, Ashlynn Keyser, Sadie Melago, Michaela O’Toole, Abigail Shields, Courtney Stewart, Devon Tinius, Lauren Wilson, Brooke Moore

- Teaching through the Arts-Visual Art, Music, Dance, Theatre

5:00-5:30- Sophia Barrafato, Elizabeth Bradley, Alyssa Brooks, Everett Carneal, Shalise Meadows, Sarah Michaelis, Meaghan Mitchell, Peyton Mitchell, Marisa Montemurro, Colleen O’Connor, Madison Randall, Brian Snead, Kendall Stuckey, Violet Willis, Briella Young, Lindsey Moody

- Storytelling through Theatre – A Box of Crayons
Chemistry 111 Fundamentals of Chemistry I Students  
Faculty Mentor: Dr. Melissa Rhoten

**Poster numbers 1-4**  
Brianna Cervantes, Ashley Parran, Ryan Rorrer  
- How do nutrient levels affect algal growth?

Erin Axeman, Sage Church, Adam Gyori, Amy Helms  
- How do nutrient levels affect algal growth?

Jordan Martens, Ariel Oglesby, Abby Pack, Jevaun Thaxton  
- How do nutrient levels affect algal growth?

Cecily Hayek, Rayshad Lindsay, Dylan Scordellis  
- How do nutrient levels affect algal growth?

Chemistry 113 Chemistry Recitation Students  
Faculty Mentor: Dr. Melissa Rhoten

**Poster numbers 5-7**  
Yulia Almiron Solano, Kaleigh Beale, Kimia Jahangiri  
- Taste the Rainbow: Quantification of Synthetic Dyes in Food Products

Eleanor Carr, Keana Jones, Matthew Tipton  
- Taste the Rainbow: Quantification of Synthetic Dyes in Food Products

Jordan Davis, Selena Powell, Sarrah Lawrence  
- Taste the Rainbow: Quantification of Synthetic Dyes in Food Products

Department of Health, Athletic Training, Recreation, & Kinesiology Students

**Poster numbers 8-10**  
Joe Reidy, Faculty Mentor: Dr. Amanda Blaisdell  
- Technology Tutorials
John Bapties, Steven Gonzalez, Laura Holleman, and Kelsey Reamey, Faculty mentor: Dr. Troy Purdom
- Effects of Partner Exercise on Physiological Responses and Ratings of Perceived Exertion during Treadmill Walking in Sedentary College-Aged Students

Cody Bell, Brianna Kelly, Hannah Foster, Douglas Buchanan, Faculty Mentor: Dr. Troy Purdom
- Music Tempo Effect on Aerobic Exercise Distance Running Performance

**Education 433 Elementary Math, Science, and Social Studies Methods Students**

**Faculty Mentor: Dr. Evan Long**

**Poster numbers 11-29**

Taylor Banty
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Miranda Barringer
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Hannah Bischoff
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Coleby Burford-Dunton
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Jillian Dudley
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Sierra Garland
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Tristan Holmes
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Maia Jones
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Hayley Newcomb
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Sierra Paasch
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Karlie Peters
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Bethany Ramey
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics
Grace Reynolds  
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Kellianne Sinclair  
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Alexia Smith  
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Logan Staton  
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Adriana Strum  
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Taylor Yeatman  
- IADDIM: INFORMative Assessment for Data-Driven Diagnosis in Mathematics

Biology 400 Unifying Biological Principles Students  
Faculty Mentor: Dr. Amorette Barber

Poster numbers 30-49

Victoria Acosta  
- Protection of Unique Biotic Communities within Seasonal Pools from Anthropogenic Effects

Alex Anderson  
- Non-invasive New Age Prosthetics: Integrated EEG/EMG Data and Predictive Software

Cynthia Castillo  
- Decanoic Acid found in Medium Chain Triglyceride Ketogenic Diet as a Treatment for Epilepsy

Shanyia Chandler  
- The Effects of EGFR on Triple-Negative Breast Cancer

Annie Choi  
- Combating Antibiotic Resistance and Biofilm Formation in MRSA and P. aeruginosa using Norlichexanthone, a Secondary Metabolite of Lichen

Hailey Coleman  
- How Much is Too Much: Exploring the Rattus norvegicus domestica in Fluoride Products with Young Children

Jessica Daugherty  
- Finding the Coral that can take the Climate Change

Kaelyn Jefferson  
- Investigating the Role of Caspase-8 Protein in the Neuron Death Pathway in Age-Related of Parkinson’s Disease
Hannah Johnson
- The Unknown Case of Giraffe Skin Disease: A Genetic Analysis to Determine if Inbreeding is a Factor

Morgan Karnes
- An Identification of Microplastics and Organelle Damage in Sea Mollusks

Taylor LeMay
- Communicated Hunting Techniques in Killer Whales (Orcinus orca) Pods

Maurice Manchester
- The Effectiveness of Pre-natal and Post-natal Genome Editing in Hemophilia

Kaitlyn Marston
- Brain Connectivity in Paraplegics and Amputees in correlation to Phantom Limb Pain

Lauren Matthews
- Investigating the Effects of Paraquat on Tau Proteins by Measuring Synaptic Communication in Human Neuroblastoma Cells

Kelsey Norton
- Preventing Neurodegenerative Astrocyte Activity Using the Tissue Nonspecific Alkaline Phosphatase Protein

Oyindamola Olayinka
- Treatment of Uterine Leiomyomas with Testosterone

Ryan Oldridge
- How the Role of p38 leads to increased activity of Telomerase in Human Hepatocyte Cells

Jacquelyn Payne
- The Effects of Gold Nanoparticles on Metastatic Lung Cancer in Mice

Brooke Soukup
- Studying Depressive Behavior due to the Inflammatory Response of the Immune System in Genetically Engineered Mice Infected with Hepatitis C Virus

Madeline Suitch
- Testing Skin Sensitivity to Formaldehyde Releasing Agents in Personal Care Products

Special Education 389 Survey of Exceptional Children Students
Faculty Mentor: Dr. Aftab Khan

Poster numbers 50-57

Jordan Elder and Hannah Adams
- Enhancing the Lives of individuals with Down Syndrome through Yoga

Rachel Witham and Hannah Auerbach
- The Benefits and Limitations of Peer Mentoring Programs for Students with Traumatic Brain Injuries (TBI)
Mary-Virginia Clark and Brooke Moore
  - Effectiveness of Peer Assisted Learning Strategies (PALS) for At Risk Students

Kaitlyn Watson, Shannon Henshaw, & Rachel Wittenbraker
  - Effectiveness of FM systems for students that are hearing impaired

Rachel Hoyt and Karley Wyatt
  - Investigating the Effectiveness the Early Risers Prevention Program on students with Emotional and Behavioral Disorder

Nanci Arevalo, Samantha Davis, and Jordan Jones Summer Chenault, Maggie Santry, & Cortney Sullivan
  - Investigating the effects of Martial Arts on ADHD

Anna Jordan and Alyssa Villagomez
  - The effects of cognitive behavioral therapy on students with Emotional behavior disorder

Summer Chenault, Maggie Santry, & Cortney Sullivan
  - Evaluating the Effect of the Lidcombe Program for Children Who Stutter

**Special Education 475 Language and Development Disorders Students**

**Faculty Mentor: Dr. Aftab Khan**

**Poster numbers 58-67**

Morgan Bentham, Britney Brown
  - Pivotal Response Treatment: Does it Work?

Sommer Frank, Bailey Moran
  - Handheld vs. Technology PECS

McKenzie Hartless and Meaghan Mitchell
  - Talking with our hands

Rylee Moore and Sadie Hodges
  - Observational learning theory with students with Asperger's

Katharine Lucas and Madilyn Harrison
  - Autism and the Lovaas Model

Katie O’Brien and Alexandra Illa
  - Proloquo2Go Helped Me Grow

Stephanie Miller and Erin Parker
  - Effects of LiPS on Students with Dyslexia

Lauren Boyd, L. Brooke Parsons, and Trisha Patton
  - Supportive Social Narratives for Children with Autism
Lauren Peters & Christianna Wright
- Phonological Awareness Training and its effect on children with Learning Disabilities

Cameron Mingea, and Kirsten Vis
- How Effective is Melodic Based Communication Therapy in Children Diagnosed with Autism Spectrum Disorder?”

History 461 Senior Seminar Students
Faculty Mentors: Dr. David Coles and Dr. Steven Isaac

Poster numbers 68-78

Amanda Duncan
- The Formation of the Anglican Church and its Effects on England

Lauren Gaines
- Eleanor Roosevelt: The Catalyst of the modern first Lady

Bridgette Groome
- Andrew Johnson and Presidential Reconstruction

Callie Hamm
- The Strategic Bombing of Japan in world War II

Rebecca Lambert
- Abraham Lincoln Fights for Freedom

Katie Mulligan
- British Ego Lost Saratoga and Eventually the American Revolution

Nicholas Logan Potts
- Causes of the Bay of Pigs Fiasco

Luke Ransom
- The Breakup of Yugoslavia

Coley Smith
- The Constitution and Alexander Hamilton’s Financial Plan

Jessica Thornton
- The Spanish Flu and World War I

Political Science 461 Senior Seminar Students
Faculty Mentor: Dr. N. Scott Cole

Poster number 79

James Lortz
- A Deeper Look into Russia’s True Desire: Power
Independent Research Students

Poster numbers 80-89

Abigail Bonilla, Faculty mentor: Dr. Renee Gutierrez
    - Why the Battle of Lepanto is included in La Araucana

Catherine Swinsky, Tyra Nevers, Faculty mentor: Dr. Erin Shanle
    - Regulating gene expression by targeted histone acetylation

Bailey Gadberry, Tabitha Lenhart, Faculty mentor: Dr. Sujan Henkanaththegedara
    - The impacts of Hurricane Irma on bird species diversity and community composition

William Kish, Griffin Mayo, Faculty mentor: Dr. Sujan Henkanaththegedara
    - Assessing the diversity and abundance of spiders along an urban gradient

Kaitlin Velvin, Faculty mentor: Dr. Benjamin Campbell
    - Assessment of Historical Biology Textbooks

Aryana DiPippa, Faculty mentor: Dr. Dina Leech
    - Effects of Storm Events on *E. coli* Counts in the Appomattox River

Joseph Hyman, Faculty mentor: Dr. Yulia Uryadova
    - Chernobyl: Putting Perestroika and Glasnost to the Test

Derek Holmberg, Faculty mentor: Dr. Kenneth Pestka II
    - The Physical Analysis of Baseball Bats Through Impact Studies

Adam Crews, Faculty mentor: Dr. Kenneth Pestka II
    - Resonant Frequencies of Crystallized White Dwarf Stars

Joshua Kirby, Faculty mentor: Dr. Kenneth Pestka II
    - The Acoustic Properties of a Crystallized White Dwarf Star

Summer 2018 Perspectives on Research in Science and Mathematics (PRISM) Students

Poster numbers 90-93

Jordan Berkompas, Faculty mentor: Dr. Thomas Wears
    - Differential Invariants of curves in the Lorentz-Minkowski Plane

Matthew Bowman, Faculty mentor: Dr. Benjamin Campbell
    - Do Teachers Think Like Students Think? If So, Why?

Lindsey Sparrock, Faculty mentor: Dr. Catherine Franssen
    - Effects of Aquatic Therapy on Salivary Cortisol in Autistic Versus Non-Autistic Children

Derek Holmberg, Faculty mentor: Dr. Kenneth Pestka II
    - The Acoustic and Physical Analysis of Wooden Baseball Bats
Video Presentations- Communications 434 COMM Lab Students

Faculty Mentors: Drs. Ryan Stouffer and Clint Wright

Blackwell Ballroom

3:30 – 4:20

TJ Wengert, Colby Dunaway, Nick Costa
- Lancer Central: Conversations about Longwood Athletics
Poster Presentations – Session 2

Blackwell Ballroom
4:30 – 5:20 P.M.

Prince Edward County Environmental Molecular Biology Institute Science Outreach Project
Prince Edward County High School Students
Faculty Mentors: Dr. Amorette Barber, Dr. Michael Wolyniak (Hampden-Sydney College) and Mrs. Sarah Fulcher (Prince Edward County High School)

Poster numbers 1-9:

Mackenzie Fulcher & Evelyn Weese
- Microbial Diversity Within the Automechanic’s Sink Basin

Kaitlynn Childers & Sierra Mottley
- The Effect of Weight Room Location on Microbial Growth

Griffin Beach, Jarvin Perkins, & Charles Wallace
- Microbial Diversity Around A High School Trashcan

Ryan Garrett, Antonio Parran, & Ethan Tobias
- A Comparison of Microbes Around A High School Building

Lacy Lopez & Meghan Williams
- The Effect of Climate on Microbial Diversity

Ellis Jones & Hannah Reamer
- Microbial Diversity In, On, and Around the Gazebo Trashcan

Jalynn Hicks & Madison Lehman
- Microbial Diversity on the Cafeteria Door Handle

Sabrina Davis & Nia Lee
- Microbial Diversity Present Around the Football Field

Clare Calhoun & Mackenzie Morris
- Microbial Diversity on the Weight Room Bench Press

Biology 250 Introduction to Cell Biology and Genetics Students
Faculty Mentor: Dr. Consuelo Alvarez

Poster numbers 11-20:

Rachel Anderson, Ryan Servis
- Yeast Isolate From Graveyard Soil
Carter Leake, Brandon Williams
  - The Examination of Microbial Diversity of Yeast Strains Found in Strawberries

Jada Motta, Ariana Olds
  - Isolation of Yeast on Surfaced-ripened Brie cheese

Giselle Diehl, Ally Jo Salomon
  - Yeast Isolation of Green Apples

Coleman Behne, Summer Kirby
  - Moisture Preferences of Soil Yeast

Joy Hernandez, Sarah Saunders
  - Yeast Isolated from Kiwi

Hannah Clifford, Kayla Mottey
  - Isolation of Yeast Strains in Pickle Brine

Chloe Finlay, Grace Freeman
  - DNA Analysis of Yeast Found in Local Berries

Emily McCartney, Hartley Thacker
  - Isolation of Yeast in Wile’s Lake: Abundance, Morphology, Genetics, and Biochemical Assays

Erin Dwinell, Emma Rogers
  - Isolation and Identification of Yeast Strains found in Banana Peels

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**Biology 305 General Microbiology Students**

**Faculty Mentor: Dr. Denis Trubitsyn**

**Poster numbers 21-25:**

Megan Bland, Cecilie Elliott, Hannah Hatke, Alyssa Oppedisano, Arleigh Wood
  - Can You Lick It? A Study of Microbial Diversity and Abundance on Public Surfaces at Longwood University

Kaitlyn Marston, Meagan St. John, Victoria Acosta, Tiffany Yun
  - Investigation of Suspected Contamination in Microbiology Lab: The Dirty Truth.

Ellie Richardson, Taylor Alvey, Rex Liggon, Marley Sodikoff, Zack Long
  - Virulent Competitors: The Investigation of Hemolytic Bacteria on Synthetic Water Based Turf Fields

Emery Chittenden, Madeline Switcho, Amanda Moses, Uzma Gunter
  - Microbes and Muscles: How Clean is Your Gym Equipment?

Kaelyn Jefferson, Jada Russell, Andrea Soles, Brooke Soukup
  - What Can Zap That Zit? Effectiveness of Acne Spot Treatment on Model Organism *Staphylococcus aureus*
Special Education 489 Survey of Exceptional Children Students  
**Faculty Mentor: Dr. Aftab Khan**

**Poster numbers 26-31:**

Cierra England  
- Milieu Teaching on children with disabilities

Amber Gordon and Raven Laibstain  
- The Use of Lindamood Phoneme Sequencing® (LiPS®) to Support Students with Hearing Impairments

McKenzie Hartless, and Emily Hagy  
- Picture This: The Effect of Picture Exchange Communication Systems on Nonverbal Children with ASD

Tabitha Lenthart  
- The use of functional behavioral assessment-based interventions and its effects in the classroom

Kaitlin Velvin and Allison Mitchell  
- Computer Assisted Program for Students with Physical Disabilities

Victoria Shirey & Jaclyn Owens  
- How Effective is the LiPS Program?

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**Geography/Earth Science 356 Climatology Students  
Faculty Mentor: Dr. Christopher Labosier**

**Poster numbers 32-38:**

Kirsten Gough, Jennifer Betz, Gabrielle Doyle, Travis Wood  
- Energy Budgets on an Artificial Turf Field Compared to a Grass Field

Dillon Tennis, Jesse Beckman, Taylor Robinson  
- Can playhouses pose heat-related risks to children?

Troy Clift, Matthew Bowman, Shane Atkins, Chriiss Fish  
- Exploring Changes in Virginia’s Rainfall Frequency and Intensity

Alexey Lesnichi, Derek Massey  
- How does global climate change influence the strength and intensity of hurricanes in the Atlantic Ocean?

Braxton Harrup, Hunter Ratliff, Brandon Weaver  
- Hotspots Found on Longwood University’s Campus

Emily Douglas, Kaitlyn Lacey  
- How Shade Affects Solar Radiation at Playgrounds

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20
English 440 Studies in Literary History Students
Faculty Mentor: Dr. David Magill

Poster numbers 39-42

Morgan Pearce
  - Ideologies of Women in the 1920’s through *The Great Gatsby*

Kirsten Wachsmann
  - Old and New Money: F Scott Fitzgerald’s Representation of Prohibition Bootleggers and People and Inherited Wealth in *The Great Gatsby*

Morgan Bates
  - The Pressures of Assimilation in Anzia Yezierska’s *Bread Givers*

Sabrina Frongillo
  - *The Great Gatsby* and the Green Light

Summer 2018 Perspectives on Research in Science and Mathematics (PRISM) Students

Poster numbers 43-50:

Jordan Howard, Faculty mentor: Dr. Troy Purdom
  - The Running Anaerobic Sprint Test (RAST) in Division I Female Soccer Players Across the Summer and Competitive Seasons

Victoria Acosta, Faculty mentor: Dr. Sujan Henkanaththegedara
  - Community Structure and Succession of Vernal Pool Organisms at High Bridge Trail State Park, Virginia

Maurice Manchester, Faculty mentor: Dr. Erin Shanle
  - Cancer mutations affect the binding of BRD3 bromodomain to acetylated histones

William Kish, Faculty mentor: Dr. Sujan Henkanaththegedara
  - The Effects of Physico-chemical Parameters on the Vernal Pool Communities at High Bridge Trail State Park, Virginia

Caitlin Harris and Jessica Savas, Faculty mentor: Dr. Erin Shanle
  - Investigating the effects of cancer mutations on DNA damage

Dakota Martin, Faculty mentor: Dr. Julian Dymacek
  - Distributed Constrained Non-negative Matrix Factorization
Poster numbers 51-85:

Carrie Reaver
Neuroscience 105 Introduction to Neuroscience, Faculty mentor: Dr. Catherine Franssen
- Neuroscience for Pre-Health Professionals

Caroline Carter, Christina Bell
Biology 370 Ichthyology Honors Extension, Faculty mentor: Dr. Sujan Henkanaththegedara
- Solving the identity of the mystery darter of the Appomattox River Basin

Cecilie Elliott, Arleigh Wood
Biology 305 General Microbiology Honors Extension, Faculty mentor: Dr. Denis Trubitsyn
- How “Clean” Are Your Contacts? Antimicrobial Effectiveness of Different Contact Lens Solutions

Madison Cutten
Kinesiology 480 Advanced Exercise Testing Honors Extension, Faculty mentor: Dr. Joanna Morrison
- Analyzing Heart Rate and VO2 Data in Recreational Hard and Soft Shoe Irish Dancers

Megan Garrett
Economics 417 Economic Growth, Development, and Public Policy Honors Extension, Faculty mentor: Dr. David Lehr
- Education’s Role in Economic Growth

Laura Johnson
English 380 Children’s Literature Honors Extension, Faculty mentor: Dr. Chris McGee
- Internal and External Forces of Agency Determine Success of Ideology in *Mune: Guardian of the Moon, Song of the Sea, and Kudo and the Two Strings*

Laura Johnson
French 335 French Cinema Honors Extension, Faculty mentor: Dr. McRae Amoss

Ibrahim Kante
Political Science 305 International Relations Honors Extension, Faculty mentor: Dr. Neil S. Cole
- Why has the Democratic Republic of the Congo Outsourced its Responsibility to Educate its People? A study on how the inefficiency of the civil service hinders the capacity of the state

Breanna Smalley
Kinesiology 389 Methods of Teaching Health and Physical Education for Elementary Classroom Teachers Honors Extension, Faculty mentor: Dr. Matthew Lucas
- Epilepsy: The Effects on and Parallels Between Student and Teacher Life

Breanna Smalley
History 370 Virginia Studies Honors Extension, Faculty mentor: Dr. Barbara Newton
- Farmville’s History with the Randolph’s and Israel’s Hill

Jessica Smith
Sports Pharmacology Honors Extension, Faculty mentor: Dr. Joanna Morrison
- NCAA vs WADA: Is the NCAA up to par?
Kellen Spradlin
Management 362 Organizational Behavior Honors Extension, Faculty mentor: Dr. Haley Woznyj
- Hiring Practices Between the Ages: Millennials vs. Baby Boomers

Tanna Turner
Special Education 411 Assistive Technology and Augmentative Communication in the General Curriculum Honors Extension, Faculty mentor: Dr. Karen Feathers
- Assistive Technologies for Improving Spelling Accuracy

Alexis Tisdale
Study Abroad Honors Extension
- A New Hope: Immigration Into America

Cecilie Elliot, Murrie Grimes, Kaelyn Jefferson, Zach Sergi
Biology 399 Evolution Honors Extension, Faculty mentor: Dr. R. Adam Franssen
- Evolution or Intelligent Design in Zoos Around the U.S. - Comparing Public Zoos to Private Zoos in the Sense of How Do They Portray Evolution

Makayla Massie, Helen Chhay, Karissa Bright, Kelsey Ostrowski, Emma Carroll
Nursing 495 Special Topics in Nursing Honors Section, Faculty mentor: Dr. Jo Ann Davis
- Millennium Developmental Goals

Elizabeth Bradley
Theatre 448 Integrated Arts/Theatre Honors Extension, Faculty mentor: Dr. Ronda Scarrow

Corri Calandra
Science Education 451 The Teaching of Secondary Science Honors Extension, Faculty mentor: Dr. Suzanne Donnelly

Erin Dwinell
Kinesiology 376 Sports Nutrition Honors Extension, Faculty mentor: Dr. Robert Blaisdell

Breana Figueroa
Mathematics 395 Special Topics in Mathematics Honors Extension, Faculty mentor: Dr. Thomas Wears

Naajamah Jones
Art 256 Digital Photography Honors Extension, Faculty mentor: Dr. Mike Mergen

Madeline Kinkoph
Nursing 410 Nursing Care of Patients with Psychiatric/Mental Health Problems Honors Extension, Faculty mentor: Dr. Sandra Davis

Morgan Peroulas
Communications 360 Contemporary Practices in Communication Honors Extension, Faculty mentor: Dr. Naomi Johnson Tsigaridas

Meghan Petrocelli
Psychology 331 Social Psychology Honors Extension, Faculty mentor: Dr. David M. Carkenord
Jesse Plichta-Kellar  
German 401 Advanced Grammar and Composition Honors Extension, Faculty mentor: Dr. Sarah Varela

Lindsey Sparrock  
Psychology 333 Individual Differences and Social Behavior Honors Extension, Faculty mentor: Dr. Sarai Blincoe

Lindsey Sparrock  
Sociology 105 Sociology in Practice Honors Extension, Faculty mentor: Mrs. Sue Vilic Carter

Joshua Walker  
Chemistry 370 Inorganic Chemistry Honors Extension, Faculty mentor: Dr. Andrew Yeagley

Clair Walters  
English 380 Children’s Literature Honors Extension, Faculty mentor: Dr. Chris McGee

Marija Venta  
Spanish 495 Special Topics Honors Extension, Faculty mentor: Dr. Ann Guiterrez

Biology 101 Biological Concepts Honors Section, Faculty mentor: Dr. Erin Shanle
Free Parking is Available to visitors in the Pine Street Lot, near building #51 on the map.