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Fall Showcase for Research and Creative Inquiry

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Fall 2020

### Virtual Fall Student Showcase for Research & Creative Inquiry

Office of Student Research  
*Longwood University*

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**VIRTUAL**  
FALL STUDENT SHOWCASE FOR  
RESEARCH  
& CREATIVE  
**INQUIRY**

November 18-21, 2020



# Fall Showcase for Research and Creative Inquiry 2020

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## Acknowledgements

### Student Showcase Organizing Committee

Amorette Barber, Chair

Kristen Boyle

Will Collier

Cristina Crego

Mark Hamilton

Jennifer Hutchinson

Kat McClesky

Sarah Porter

Marsha Rutledge

Mary Tackett

Jessi Znosko

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

Digital Education Collaborative

Greenwood Library

## Virtual Spring Student Showcase on ForagerOne

The Office of Student Research is sponsoring Longwood University's virtual Fall Student Showcase for Research and Creative Inquiry.

<https://symposium.foragerone.com/lufssrci20/>

The Showcase will be held **Wednesday, November 18 - Saturday, November 21, 2020**. From Wednesday – Friday, the symposium website will only be accessible to Longwood affiliated students, faculty, and staff. A LancerNet ID will be required to access the presentations. Beginning on Saturday, presentations will be accessible to the general public. You can view the presentations, ask questions, and comment on research and scholarly work from numerous students from all of Longwood's academic colleges. There will be a mix of asynchronous and synchronous student presentations.

**Presentations will be open for comments from Nov. 18 – Nov. 21, 2020.**

## Education Synchronous Presentations

**Faculty Mentor:** Dr. Candice Moench  
EDUC 423 – Elementary School Literacy Instruction

Join us for live, synchronous presentations on Saturday, November 21 from 10:00 – 11:00am.

<https://longwood-edu.zoom.us/j/98007844698>

**10:00am- Victoria Saunders**

*How has Distance Learning Impacted the Reading Comprehension Strategies of Low Socioeconomic Third Graders during COVID-19*

**10:15am- Abigail Whitt**

*Effectiveness of Instruction in Large and Small Groups in the Classroom*

**10:30am- Amanda Andersen**

*Strategies to Keep Students with Special Needs Engaged During Virtual Learning*

**10:45am- Madison Hommey**

*Virtual Teaching's Impact on Time Dedicated to Instructional Planning*

**11:00am- Catherine Allen**

*Social-emotional well-being of College students during Covid-19*

**11:15am- Rachel Swinson**

*The effects of COVID-19 and Distance Learning on the Mental Health of Preservice Teachers at Longwood University*

**11:30am- Emily Mozingo**

*Successful Behavioral Management Strategies in the Virtual First Grade Classroom*

**11:45am- Karly Harwood**

*The Impact of Covid-19 on Teacher's Mental Health*

**12:00pm- Casey McBride**

*What is the academic impact of elementary children, in a fifth-grade classroom, without internet connection to their peers who participate in virtual learning with a teacher?*

## Perspectives on Research in Science and Mathematics (PRISM)

**Adam Gyori** (Faculty sponsor, Dr. Christopher Labosier)

*Thermal Safety and Risk of Children's Outdoor Playhouses*

**Meghan Hall** (Faculty Mentor Dr. Eric Shanle)

*Cancer Mutations Alter the Coactivator Activity of p300 Core*

**Abigail Harris and Thomas Hoke** (Faculty Mentor Dr. Sujan Henkanaththehedara)

*Assessment of Agnostic Interactions between Native and Invasive Crayfish using Novel Video Tracking System*

**Christopher Skibinski** (Faculty Mentor Dr. Robert Blaisdell)

*The effects of mouth guard use for sport performance enhancement on indices of neuromuscular force and power*

**Kimia Jahangiri** (Faculty Mentor Dr. Benjamin Campbell)

*Conceptualizing Chemistry in Three Layers*

**Haley Bresnahan** (Faculty Mentor Dr. Andrew Yeagley)

*Investigating aliphatic phosphazenes as quaternary amine cation (QAC) mimics*

**Keira Naff** (Faculty Mentor Dr. Jonathan White)

*Characterization of cellular targets and derivatization of a choline-appended Pt anticancer therapeutics*

**Christian Conner** (Faculty Mentor Dr. Julian Dymacek)

*Non-negative matrix factorization*

**Iris Hammond** (Faculty Mentor Dr. Jeffrey Ledford)

*Non-Local Kernel Approximation*

**Jessica Donahue** (Faculty Mentor Dr. Steven Hoehner)

*Maximum Surface Area Polytopes Inscribed in the Unit Sphere in  $R^3$*

**Davice Jones and Kirsten Bauer** (Faculty Mentor Dr. Dina Leech)

*Using Big Data to Help Big Bass: Effect of Water Quality on Fish Populations in Briery Creek and Sandy River Reservoirs*

**Sarah Dooley** (Faculty Mentor Dr. Dale Beach)

*Exposing the Hidden Genetic Character of Non-Model Organisms*



## Independent Research

**Marcia Lanasa, Adonel Grubb and Brianna Cervantes** (Faculty sponsor, Dr. Andrew Yeagley)  
*Synthesis and antimicrobial evaluation of gallate esters*

**Ashlan Gordon** (Faculty sponsor, Dr. Dorothy Suskind)  
*Teacher Research Project*

**Devon Shifflett** (Faculty sponsor, Dr. William Holliday)  
*Catalan Identity as Expressed through Architecture*

**Casey Williams** (Faculty sponsor, Dr. Hua Meng)  
*Taking Target to the Japanese Market*

**Austin Hedges and Joe Mustachio** (Faculty sponsor, Dr. John McNabb)  
*Making Artificial CIPS Data with a Generative Adversarial Neural Network*

**Madalyn Foster and Alexis Wayland** (Faculty sponsor, Tena Ewing)  
*Effects of Exercises on Chronic Diseases*

**Sammi Anderson and Emma Masaitis** (Faculty sponsor, Leslie Cook-Day)  
*Stitching Fantasy into Reality*

**Emily Randall and Tobias Knappenberger** (Faculty sponsor, Dr. Eric Laws)  
*The Effect of COVID-19 on Mental Health and Drug Usage*

**Emily Bowles** (Faculty sponsor, Dr. Dorothy Suskind)  
*Incorporating Movement into Literacy Activities*

## Cormier Honors College for Citizen Scholars

**Alaina Bierman** (Faculty sponsor, Dr. Larry Robertson)  
*Pregnancy and the Role of an RA*

**John Eddy** (Faculty sponsor, Dr. Larry Robertson)  
*The Effects of Perfectionism on College Students*

**Kendra Fetty** (Faculty sponsor, Dr. Dorothy Suskind)  
*Inquiry in the Classroom*

**Collin Gilbert and Monea Allen** (Faculty sponsor, Mr. Will Collier)  
*Drinking Water on Plant Growth*

**Meghan Griffin** (Faculty sponsor, Dr. Chris Bjornsen)  
*Marijuana use, Motives for Marijuana Use, Effects of Use, Personality Traits, and Distress Tolerance in Adulthood*

**Abigail Harris** (Faculty sponsor, Dr. Dorothy Suskind)  
*Impact of Multigenre on Teaching Science*

**Chiara Tomassetti and Hunter-Paige Johnson** (Faculty sponsor, Mr. Will Collier)  
*A Bug's Life*

**Makenzie Kinter** (Faculty sponsor, Dr. Matthew Lucas)  
*Working with Students with Fetal Alcohol Syndrome in a Movement Setting (teacher/classroom, recess, physical education): General Physical Education*

**Kacy Lloyd** (Faculty sponsor, Dr. Virginia Beard)  
*An Application of Moffit's Developmental Taxonomy Theory of Crime through Research Conducted on Persistent Violent Offenders*

**Kendall Magee and James Cox** (Faculty sponsor, Mr. Will Collier)  
*Aquatic Biodiversity: Microorganisms in Our Streams*

**Emily Robertson and Austin Moussa** (Faculty sponsor, Mr. Will Collier)  
*Conventional vs. Organic? Soil properties, environmental impacts, and crop growth*

**Nathan Sikora** (Faculty sponsor, Dr. Mark Kostro)  
*Elements of Igbo Culture in Chinua Achebe's Things Fall Apart*

**Evelyn Weldon** (Faculty sponsor, Chief Kimberly Lettner)  
*Crisis and the Constitution: How the Government Handled Citizen Rights During COVID-19*

**Laura Wilcox** (Faculty sponsor, Dr. Larry Robertson)  
*The Hygiene Challenge Among College Students*

**Stephanie Willis** (Faculty sponsor, Dr. Timothy Ritzert)

*The Risk of the Pandemic: Covid-19's Effect on Risk and Protective Factors*

**Bryana Woodson** (Faculty sponsor, Dr. Jennifer Miskec)

*Adaptation Theory and Scholarly Reception of Lois' Lowry's The Giver*

**Elizabeth Garri** (Faculty sponsor, Dr. Jennifer Miskec)

*The Role of Diversity in Adaptations and Retellings of Literature for Young Readers*

**Sarah Myroup** (Faculty sponsor, Dr. Jennifer Miskec)

*Foster and Orphan Narratives in Children's Literature*

**Citizenship 410**  
**Symposium on the Common Good**

**Casey Williams, Robb David, Samantha Duke, Katelyn Weber, Anna Sotelo, Katrina Cokain, Morgan Armiger, Angelika Gomez, Ciara Martinez, Kendra Fetty, Jade O'Connor, Katelyn Housler, Tyler Roebuck**

(Faculty sponsor, Dr. Adam Blincoe)

*Flourishing Through Contemplative Practices*

**Trent Moxley, Caitlin Sullivan, Marshall White, Joseph Kohler**

(Faculty sponsor, Dr. Dorothy Suskind)

*Child Marriage: A Worldwide Issue*

**Maggie Baughan, Taylor Hess, Christian Wallace, Sam Matthews**

(Faculty sponsor, Dr. Dorothy Suskind and Dr. Sarah Tanner-Anderson)

*Research Day Project*

**Olivia Outhong, Danielle Murphy, Sara Beth Stansberry, Jared Wood**

(Faculty sponsor, Dr. Dorothy Suskind and Dr. Sarah Tanner-Anderson)

*The Worldwide Prevalence of Child Marriage*

**Clint Huffman and William Carter**

(Faculty sponsor, Dr. Dorothy Suskind and Dr. Sarah Tanner-Anderson)

*Why child marriage is still a problem in the modern world*

**Kaylee Faecke, Angel Rupard, Haley Newton**

(Faculty sponsor, Dr. Dorothy Suskind and Dr. Sarah Tanner-Anderson)

*Global factors of child marriage in today's society*

**Alaina Bierman, Marcel Guzman**

(Faculty sponsor, Dr. Hannah Dudley-Shotwell)

*Longwood Queer History and Public Memory - Housing*

**Sofia Perez, Payton Davenport, Rebekah Morris**

(Faculty sponsor, Dr. Hannah Dudley-Shotwell)

*Longwood Queer History and Public Memory: Joan of Arc*

**Audrey Lemons, Ashton Finehirsh, Jackson Walston**

(Faculty sponsor, Dr. Hannah Dudley-Shotwell)

*Longwood Queer History and Public Memory - Dining Services & Chik-Fil-A*

**M. Heimburg, Katherine Buchholz, Hannah Elmore**

(Faculty sponsor, Dr. Hannah Dudley-Shotwell)

*Longwood Queer History and Public Memory: Housing*

**Taylor Trenton, Olivia Martin, Addison Steeley, Zoe Hutchens, Alexandra Pritchett, Kaitlyn Lucas**  
(Faculty sponsor, Dr. Isabel Fay)  
*The Debate on the Solution to Climate Change*

**Hallye Workman, Samantha Gilson, Shannon Henshaw, Rachel Kuney, Alyssa Martin, Deyonce Brown, Brittany Tolbert**  
(Faculty sponsor, Dr. Isabel Fay)  
*Climate Change Solutions*

**Cailynn Anderson, Lily Ansley, Zoe Ansley, Grace Bayer, Kaylena Crabtree, Marissa Croson, Lexi Ellis, Haley Moomau, Isabella Naccarato, Caroline Taylor, Aleigha Thien, Morgan Thomas, Madison Tuck, Ellen Tucker, Holly Wandless**  
(Faculty sponsor, Dr. Kerri Cushman)  
*Power of the Press*

**Austin Agee, Dulany Fralin, Olivia Powell, Hayes Turner**  
(Faculty sponsor, Dr. Erin B. Waggoner)  
*Creating and Evaluating Social Media Campaigns: #thebaggagewecarry*

**Summer Kirby, Seneca Peklo, Molly Smith, Hannah Westlund**  
(Faculty sponsor, Dr. Erin B. Waggoner)  
*Creating and Evaluating Social Media Campaigns: #WomansHealthMatters*

**Essie Brandon, Bridget Canderelli, RaeAnn Jones, Aemelia Lunardi**  
(Faculty sponsor, Dr. Erin B. Waggoner)  
*Creating and Evaluating Social Media Campaigns: #LongwoodGetsInvolved*

**Melissa Harris, Maya Ingram, Jordan Oliver, Amber Sykes**  
(Faculty sponsor, Dr. Erin B. Waggoner)  
*Creating and Evaluating Social Media Campaigns: #ourhair*

**Daniel Milstead, Andrew Snead, Sarah Staples, Jessica Stitts**  
(Faculty sponsor, Dr. Erin B. Waggoner)  
*Creating and Evaluating Social Media Campaigns: Inequalities in Education*

## Biology

**Faculty Mentor:** Dr. Consuelo Alvarez  
BIOL 250- Introduction to Genetics and Cell Biology

**Bethany Alvarez, Curran Atkinson, Abigail Watkins**

*The Effectiveness of pGLO Plasmid as a Marker in Biotechnology*

**Morgan McClaskey, Abigail Henderson, Christian Michael**

*pGLO Plasmid has Potential to Ease the Process of Understanding DNA*

**Amanda Palmer, Emily Sukhai, Dustin Woodall**

*The Use of GFP(Green Fluorescent Protein) to Track Bacteria Growth*

**Isabella Maney, Ellen Tucker, Lloyd Dominguez**

*Isolation of Green Fluorescent Protein from pGLO Plasmid to Create Fluorescent E. Coli*

**Thomas Hoke, Kelsey English, Taylor Coleman**

*GFP Protein Expression in E-coli Bacteria*

**Rebecca Mills, Miguel Diaz-Montealegre**

*Bacterial Transformation of Green Fluorescent Protein from pGLO*

**Faculty Mentor:** Dr. Dale Beach  
BIOL 250- Introduction to Genetics and Cell Biology

**Tatum Newton, Timothy Bolton, Alayna Palamar**

*Amplification and Sequencing of DNA and RNA within SARS-CoV-2*

**Ashley Wilson, Kylee Wright, Jessica Manuel, Samari Brown**

*Sequencing a Polymerase Chain Reaction to Determine the Presence of Mutations in GFP Gene*

**Tajayda Arrington, Isabella Riccoboni**

*Polymerase Chain Reaction (PCR) Amplification Within Therapeutic Antibodies and Related Proteins*

**Macy Franchebois, Taylor Murphy, Ariel Oglesby**

*Verifying Green Fluorescent Protein Within the pGLO Plasmid for Pathogen Transmission*

**Madison Wessells, Kelsey Swegle, Emily Arrington, Lauren Williams**

*Presence of GFP and Mutations in pGLO Plasmid*

**Faculty Mentor:** Dr. Justin Ellis  
BIOL 251- Introduction to Ecology and Evolution

**Cassandra Garrett, Nadia Mullins, Julia White, Miguel Diaz**

*The Influence of Human Population on the Northern Cardinal and Pileated Woodpecker in Northern Virginia*

**Jamie Slaughter, John Bollinger, Emily Sukhai**

*The effects of increased wildfire on bird populations in the Shasta-Trinity National Forest of northern California.*

**Davice Jones, Delaney McMahon, Rebecca Mills, Isabelle Villarreal, Isabella Maney**

*Influence of Pesticide Bans on Bird Abundance and Diversity in Santa Barbara, CA*

**Faculty Mentor:** Dr. Sujana Henkanathegedara  
BIOL 251- Introduction to Ecology and Evolution

**Bryce Hertzler, Samari Brown, Mary Scott**

*Testing the Intermediate Disturbance Hypothesis with Eastern Bird Populations*

**Dylan Scordellis, Phil Anderson, Amari Riddick, Lloyd Dominguez**

*Potential Effects of Climate Change on the First Arrival Dates of Migrating Ruby-Throated Hummingbirds*

**Tajayda Arrington, Ashley Wilson, Kaylen Karnes**

*Spread and Population Dynamics of Brown Marmorated Stink Bugs in North America and Europe*

**Isabella Riccoboni, Melanie Rowland, Val Phillips, Emily Edwards**

*Population Dynamics of Invasive Burmese Pythons in the Everglades*

**Faculty Mentor:** Dr. Mark Fink  
BIOL 488- Senior Capstone

**Arleigh Wood**

*Adios Adjuvant: Combination Immunotherapy for Pediatric Acute Lymphoblastic Leukemia (ALL) Patients*

**Brianna LaFratta**

*An investigation of cell phone use correlating with cancer prevalence*

**Emily McCartney**

*The Impacts of Loneliness & Social Isolation on the Elderly Population due to COVID-19*

**Isai Perez**

*Antidepressant Use and Possible Alternatives*

**Raquel Perez**

*Combining Treatments for Opioid Addictions*

**Abigail Harris**

*Mapping of South American Canis Lupus Familiar*

**Kelsey Thornton**

*Chlamydia in Koalas*

**Faculty Mentor:** Dr. Sujan Henkanathegedara  
BIOL 495 – Introduction to Wildlife Biology

**Griffin Mayo**

*The Conservation and Trafficking of Pangolins*

**Hunter Gillespie**

*The Effects of Climate Change on Polar Bears*

**Isai Perez**

*Human-Big Cat Conflict*

**Rebecca Aylor**

*Bringing Back the Atlantic Puffin*

**Coleman Behne**

*Factors Contributing to the Decline of Bees*

**Ally Jo Salomon**

*The Affects of Poaching on Rhinos*



## Communications Studies

**Faculty Mentors:** Dr. Naomi Johnson  
COMM 295 – News Literacy

**Nicole Ardivino, Laura Barrett, Shelby Rogers, Danielle Brazda**

*Kanye West's Presidential Campaign and Its Effects on News Consumers and Voters*

**Aubrey-Grey Watson, Jessica Boggs**

*"You're in Danger": Identifying Reliable Opinion Journalism*

**Garrett Boggio, J.R. Leo**

*Real vs. Fake*

**Cade Kinzel, Heather Waldo**

*Viewer's duty to know the difference between opinion journalism and assertion articles*

**Kevin Mercer, Dawson Wade**

*The Covid-19 bioweapon theory*

**Qwonneshia King, Christian Wilson**

*How does the Black Lives Matter protester's depiction in the media affect the movement?*

**Kenneth St. Thomas, Malik Robison**

*Early Voting and Biased Opinions*

## Criminal Justice

**Faculty Mentors:** Dr. Virginia Beard  
CRIM 461 – Senior Seminar in Criminal Justice

**Abigail Lesser**

*The Effectiveness of Post Incarceration Work Programs on Recidivism Rates of Post Release Offenders*

**Caleb Franklin**

*The Impact of Less than Lethal Force policies on Police Agencies (Use of Excessive and Deadly Force)*

**William Bradt**

*The Impact of Police Militarization on Police Community-Relations*

**William Gill**

*The Impact of Multisystemic Therapy on Reducing Recidivism in Juveniles*

**Taylor Jennings**

*The Effectiveness of Red Flag Laws on Reducing Intimate Partner Homicide by a Firearm*

**Emily Shine**

*The Impact of Victim Advocacy Programs on the Retention of Domestic Violence Cases Within the Court System*

**Zach Paquette**

*The Impact of Hot Spot Policing and Directed Patrol on Rates of Crime*

**Joseph Shaffer**

*The Impact of Solitary Confinement, as a form of punishment, on the Mental Health of Incarcerated Persons*

**Kayla Cunningham**

*The Success of Sex Offender Treatment Programs on Sex Offender Recidivism for Sexually Based Offenses*

**Rosalyn Nelson**

*The Effectiveness of Drug Court Treatment Programs on Drug Related Recidivism*

**Paul Sanchez**

*The Impact of Electronic Monitoring on Recidivism as a Means for Early Release to Reduce Prison Overcrowding*

**Jordan Ellis**

*The Impact of Community Policing on Public Perception of Law Enforcement Officers and Agencies.*

**Colton Williams**

*The Effectiveness of Community Policing in Reducing Crime in High Crime Areas*

**Alexandra Talley**

*The Effectiveness of the D.A.R.E. Program as a Deterrent for Drug Use Among Juveniles*

**Jamal Allen**

*The Influence of Victim Impact Statements on the Sentencing of Offenders in Federal Trials Around the Globe*

**Alexis Fields**

*The Impacts of the Mandatory Arrest Policy on Reducing Domestic Violence Recidivism*

**Courtney Hegwald**

*The Effectiveness of The Three Strike Laws on Reducing Recidivism Rates*

**Olivia Rhodes**

*The Impact of Juvenile Diversion Programs on Rates of Juvenile Recidivism*

## Education and Special Education

**Faculty Mentor:** Dr. Aftab Khan  
EDUC 245 – Human Growth and Development

**Lauren Wright**

*There's more to divorce than living in separate households*

**Molly Ashcraft, Sarah Braham**

*Are Your Problems Affecting Your Child?*

**Alicia Hall, Shana Anderson, Haley Mayo**

*Social Emotional Development In Children Living with Extended Family Members*

**Jessie Stinnett, Abigail Tackett, Shawn Shiflett**

*""Effects of Uninvolved Parenting""*

**Hannah Robins, Hannah Williams**

*Affect of a Military Parent on Child social and emotional development*

**Montrell Flowers**

*Effects of Mental Illnesses through Childhood*

**Elena Lavigne**

*Impacts of Divorce on Child Development*

**Grace Cook**

*Four Ways To Parent*

**Afton Jones**

*The Effects of Teen Pregnancy on a Teen Mother*

**Anthony Roland, Nathan San Juan**

*Effects of a parents death on a Childs emotional, social, and cognitive development.*

**Andrea Davenport, Jaelynn Edwards, Mackenzie Cersley**

*Authoritative vs. Uninvolved: Analyzing the different ways these parenting styles affect a child on a cognitive, social, and emotional standpoint.*

**Georgia Smart, Tanasia Nicholson, Jackie Vesley**

*Single Parenting and Child Development*

**Faculty Mentor:** Dr. Dorothy Suskind  
EDUC 423 – Elementary School Literacy Instruction

**Amber Powers**

*Incorporation of Kinesthetic learning into literacy and word study*

**Sarah Morgan**

*Motivating Students to Read*

**Emily Bowie**

*Incorporating Movement Into the Classroom*

**Sarah Myroup**

*Classroom Readings in Discussions on Diversity*

**Allison Derrick**

*How can I motivate students that act out in class?*

**Riley Mosher**

*How Can I teach students to develop their own voice through the Incorporation of the Arts.*

**Kelsey Yates**

*Bringing Up Student's Reading Comprehension Levels*

**Madison Slaybaugh**

*Incorporating Kinesthetic Learning Into Literacy*

**Taylor Adams**

*How does integration of the arts in education help students to make connections with literacy?*

**Megan Vernon**

*Motivating students to read and write*

**Faculty Mentor:** Dr. Candice Moench  
EDUC 423 – Elementary School Literacy Instruction

**Katie Barden**

*The Impact on Behavior Management Strategies on Student Behavior*

**Ashley Dykes**

*Impact of Covid-19 on PALS Testing Scores*

**Jennifer VanLear**

*PALS: In Person vs. Online*

**Megan Kerr**

*Teacher Research Project*

**Faculty Mentor:** Dr. Aftab Khan  
SPED 475 – Language Development and Disorders

**Braden Butka**

*How seeing sound helps students develop verbal language: Visual Phonics in the classroom*

**Sarah Allwein, Carly Childress, Brooke Baker**

*""Picture it""*

**Megan Oxendine, Anna Queeney**

*Pivotal Response Training in Students with Autismkhan*

**Natalie Hall, Keely Withington, Megan Leahy**

*The Wilson Reading Program*

**Alexis Lyles, Molly McCracken**

*Incidental Teaching for Autism Spectrum Disorder*

**Mallory Talbert, Bri Meek**

*Language Interventions and Autism*

**Jordan Hairston, Special Childress**

*Picture Communication*

**Henley Moseley, Francesca Santamaria, Rachel Parks**

*The Effects of the Picture Exchange Communication System on the Language Development of Children with Autism Spectrum Disorder*

**Makenzie Kinter, Alisabeth Rodriguez, Javion Peterson**

*The Effect of Social Stories on the Language Development of Children with Autism*

## English

**Faculty Mentor:** Dr. Heather Lettner-Rust  
ENGL 210 – Honors Introduction to Digital Writing

**Haynes Daniel**

*Car Reliability Infographic*

**Kaleigh Beale**

*Marine Plastic Pollution*

**Bridget Hafdelin**

*First-Overall Pick: Hockey's Most Valuable Resource*

**Kate Frey**

*The Coca-Cola Foundation's Money Distribution*

**Faculty Mentor:** Dr. Scott McDarmont  
ENGL 400- Active Citizenship and Writing

**Katie Loomis**

*Misperceptions on Birth Control*

**Logan Callahan**

*The Importance of Bedside Manner*

**Eva Kelly**

*Food Deserts In America*

**Ashton Seifert**

*Misperceptions of mental illnesses*

**Cade Kinzel**

*Mental Health*

**Brookelyn Parker**

*Misperceptions of Feminism*

**Zara Tirrell**

*Student-Athletes and The Battle of Mental Health*

**William Van Orden**

*Misperception of household Drugs*

**Sarah Spencer**

*Misperceptions created by incomplete sex education*

**Diana Smith**

*International News*

**Rachel Wells**

*Why the world news sweatshops*

**Devin McCann**

*Devin McCann - ENGL 400 - Poster*

**Chablise Hammie**

*Is the customer really always right?*

**Benjamin Griffin**

*Facebook an Ethical Dilemma*

**Megan Tate**

*Misconceptions in Healthcare*

**Devin Rivera**

*Music as a Need for Survival*

**Austin Hedges**

*Misperceptions About the Danger and Usefulness of Spaceflight*

**Madelyn Descutner**

*The Misconceptions of Diabetes in America*

**Dylan McKercher**

*Misperceptions of Mental Health in the media (working title)*

**Karlie Walter**

*Misconceptions about Pharmaceutical Costs*

**Lauren Richardson**

*The Lack of Fresh Fruits and Vegetables*

**Katherine Smith**

*Women's Health*

**Melody Geisinger**

*Misperceptions About Women in Prison*

**Emily Randall**

*Poverty and Mental Health*



**Alexus Swafford**

*Human Trafficking*

**Mary Waldrop**

*Community Health Nurses Combatting Health Misperceptions*

**Rachel Harding**

*Misconceptions on inclusive classrooms*

**Alicia Gregory**

*Exercise and the Brain*

**Mark Peeters**

*Media Misconceptions*

**Hannah VanHoose**

*Comparative Analysis: Animal Testing vs Animal Research*

**Sophia Tamilio**

*Misconceptions about Learning Styles*

**Victoria Coleman**

*Manipulation of Data through the Use of Visual Design*

**Ayanna Seward**

Research on the Misperceptions within the LGBTQ+ Community

**Amanda King**

*Misperceptions about the LGBTQIA+ community*

**Landen Horton**

*Depression in the Adolescent Population*

**Nathaniel Teague**

*Lifestyle on Premature Mortality in the US*

**Sarah Dooley**

*Common Misconceptions about Supplements and Vitamins*

**Carolyn Durloo**

*Toxic Masculinity and Fandoms*

**Patrick Muse**

*The Myth of Learning Styles*

**Jordan Inniss**

*When Does Bullshit Become Lying?*

**Sydney Mitchell**

*Why Nurses should participate in Hackathons?*

**Taylor Keeler**

**Tiffany Carter**

*The Difficulties of Being Able to Receive a Tubal Ligation*

**Jonathon Shauberger**

*ESA and Service Dogs*

**Linsey Newcomb**

*Misperceptions within the homeless population*

**Jonae Dixon**

*View of Muslims in America*

**Jaclyn Tobin**

*Mental Health Awareness on College Campus*

**Schuyler Thiele**

*Until 1 in 3 becomes none in 3*

**Blair Rossi**

*The impact of SOL testing on students with special needs*

**Meghan Watson**

*Defunding the Police*

## Health, Athletic Training, Recreation, and Kinesiology

**Faculty Mentor:** Dr. Amanda Blaisdell  
HLTH 325 – Human Diseases

**Adrienne Fletcher**

*Moments: The Adventure of Life*

**Katie Cole**

*Will you fail your heart?*

**Madalyn Foster**

*We Have a Bone to Pick*

**Haley Bendall**

*Steven's Sugar*

**Alexandra Crews**

*The Secret Epidemic: The Story of AIDS*

**Jameka Elliott**

*The Adventure of Alzheimer's*

**Christopher Buckhorn**

*The possible paths of high cholesterol*

**Tessa Gray**

*Stoke. Are you going to let it kill you?*

**Macy Franchebois**

*How Daily Choice Impact your Liver Health*

**Angelika Gomez**

*What will happen next?!*

**Seth Johnson**

*The Life of Alzhiemer's*

**Ethan Lewter**

*What Your Choices Could Lead To*

**Kendal Marker**

*Heart Attack*

**Danielle Walton**

*The Great Stroke*

**I-Mecka Anderson-Jenkins**

*Colorectal Cancer*

**Kayla Bailey**

*Can You Outsmart Brain Cancer?*

**Kaitlyn Huff**

*The Choice Is Yours: Skin Cancer*

**Caitlin Alverio**

*The Journey of Breast Cancer*

**Ethan McKinney**

*The life story of Josh Matthews*

**Camryn Conklin**

*Asthma*

## Nursing

**Faculty Mentor:** Dr. Kim Little

NURS 360- Introduction to Research and Evidence Based Practice

**Haley Gordon**

*Nursing Care with PPE and Respiratory Therapies*

**Hannah Deacon, Amanda Newman**

*Correlation between Obesity and School- based Programs*

**Ashlyn Yevchak, Julia Whitt**

*Blood Pressure Measurement and Effects on Lymphedema Development- What Do We Know?*

**Lawrence Hannah**

*Patient Education Effects on Health Outcomes*

**Navy Stevens, Taylor-Erin Evitts**

*IV vs Oral Antibiotic Resistance*

**Kelsey Mawyer, Aydan Drake**

*Effect of umbilical cord cutting on the risk of developing physical diseases*

**Brooke Richard, Tyler Zier**

*How has COVID-19 affected nurse staffing in relation to burnout?*

**Brittany Smith, Abigail Clark**

*Medical marijuana use in cancer patients.*

**Rebecca Anderson, Emma Sanford**

*Effectiveness of EpiPen and Its Alternatives*

**Abigail Mills, Joelle Harthun**

*The Effectiveness of Cloth Masks vs. Gator Masks in Preventing the Spread of COVID-19*

**Madison Taylor, Lillian Gamble**

*In adult patients receiving wound care, what is the effect of wound care given using clean technique, compared to wound care given using sterile technique on efficient wound healing process without complications?*

**Faculty Mentor:** Dr. Jennifer Hutchinson  
NURS 360- Introduction to Research and Evidence Based Practice

**Amaya Bell, Amanda Chamberlain**

*In oncology patients, is the use of medicinal cannabis more effective than standard treatment in reducing pain, nausea, and other common symptoms?*

**Sarah Katherine Stansell, Hannah Ramey**

*In post stroke patients, is virtual reality therapy more effective than intensive rehabilitation therapy in improving physical mobility and speech?*

**Morgan Tharpe, Madison Wessells**

*Are hormone therapies more effective in treating the manifestations/ symptoms of menopause than lifestyle, exercise, and diet changes*

**Courtney Frazier, Kelly Jeter**

*P- Pregnant Mothers (women) I- Developing preeclampsia during pregnancy C- not developing preeclampsia or not having high blood pressure during pregnancy O- The mother will have an increased risk of developing postpartum depression from preeclampsia*

**Bobbie Umberger, Selena Carrera**

*The Impact of Hand-off Reports in Nursing*

**Sam Loucas, Mikayla Shockley**

*Influence of Role Model's on Teen Smoking*

**Brianna Webb, Hannah Hickman**

*In cancer patients, what is the effect of pharmaceutical treatment versus non-pharmaceutical treatment on decreasing anxiety?*

**Jill Martin, Jessica Overby**

*For patients with urinary system dysfunction and/or immobility issues, does using alternative methods (i.e. Purewicks and condom catheters) as compared to indwelling urinary catheters decrease the risk of CAUTI (Catheter Associated Urinary Tract Infection)?*

**Julia Bass, Morgan Davis**

*Does education about human papilloma virus (HPV) given in an educational setting influence intention to become vaccinated compared to education given via social media in patients aged 12-26?*

**Lindsey Walker, Mackenzie Hodge**

*Telehealth effects on medication adherence*

## Psychology

**Faculty Mentor:** Dr. Stephanie Buchert  
PSYC 461- Senior Seminar

**Nicole Copeland, Italy Gayles**

*The Effects of Different Living Environments on Anxiety during COVID-19*

**Holly Carper, Jacob Auerbach, Meghan Griffin**

*The effect of Covid-19 related stress on self-perceived level of health behaviors*

**Andrew Larsen, Kinsey Pomeroy, Genevieve McAlexander**

*The Impact of Personality Traits on Panic Buying Behavior*

**Macey Grisso, Ryan Lutton, Josh Damron**

*Cyberchondria and Health Anxiety During the COVID-19 Pandemic*

**Angel Rowlett, Mariah Snoddy**

*Overworked Healthcare Personnel and Patient Satisfaction*

**Abigail Goldberg, Grace Walton, Liam Mullen**

*Changes in Partying Behavior During the COVID-19 Pandemic*

**Faculty Mentor:** Dr. Timothy Ritzert  
PSYC 461- Senior Seminar

**Kathryn Bates, Robert Rodenbaugh, Autumn Wiesner**

*An Exploration of Health Behavior: Conformity and Mask Usage*

**Creshell Washington, Linsey Newcomb, Rebeka Petrick**

*An Exploration of Student Backgrounds and Mood*

**Melody Geisinger, William Van Orden**

*COVID-19 Social Isolation Effects*

**Kelly Higgins, Alyssa Martin**

*Relationship Between Big 5 Personality Traits and Health-Related Behaviors*

**Eli Banks, Shala Davis, Arthur Stevens**

*Anxiety Experiences with Remote Learning Compared to In-Person Learning*

**Meghan Petrocelli, Haley Schultz, Morgan Thomas**

*Relationship Among Routine Preference and Openness to Experience, During to Covid-19, on Rates of Psychological Distress*

## Spanish

**Faculty Mentor:** Dr. Lily Goetz  
SPAN 461 – Literature in the Cultural/Historical Context

**Carson Eddy**

*3 Steps to Reduce Human Trafficking in South America*

**Tabitha Calvin**

*El efecto de COVID y desigualdad en Colombia*

**Genevra Mullis**

*Solutions to Combat Ableism in the Spanish Education System*

**Carrie Reaver**

*Mejorando la salud reproductiva de las mujeres indígenas de Latinoamérica*