

Apr 23rd, 12:00 PM

## 2019 Graduate Research Symposium Program

Graduate Research Symposium

Follow this and additional works at: <https://digitalcommons.longwood.edu/grs>

---

Graduate Research Symposium, "2019 Graduate Research Symposium Program" (2019). *Longwood Graduate Research Symposium*. 8.  
<https://digitalcommons.longwood.edu/grs/2019/Tuesday/8>

This Event is brought to you for free and open access by the College of Graduate & Professional Studies at Digital Commons @ Longwood University. It has been accepted for inclusion in Longwood Graduate Research Symposium by an authorized administrator of Digital Commons @ Longwood University. For more information, please contact [hamiltonma@longwood.edu](mailto:hamiltonma@longwood.edu), [alwinehd@longwood.edu](mailto:alwinehd@longwood.edu).



2019

*Longwood University's 5th annual*

**GRADUATE  
RESEARCH  
SYMPOSIUM**

*Part of the Spring Symposium for  
Research and Creative Inquiry*

**APRIL 23, 2019**

**2:30-7:00PM**

*Upchurch*

# PROGRAM OVERVIEW

**2:30-2:45**

**SOZA BALLROOM**

**2:50-3:05**

**3:10-4:05**

**SOZA BALLROOM**

**4:10-5:00**

**SIMPSON, KRAEMER, &  
HOUSE ROOMS**

**5:05-5:55**

**SIMPSON, KRAEMER, &  
HOUSE ROOMS**

**6:00-6:15**

**6:20-7:00**

**OPPENHEIMER LOUNGE**

Welcome by Larry Palmer (BOV)

Three Minute Presentations Round 1

Poster Session

Abby Gargiulo, Reghan Slater, Morgan Bohannon, & McKenzie York

Meredith Puryear, Emily Perevuznik, Sydney Miller, & Holli Eimer.

Meredith Paige, Karissa Harris, Morgan Sullivan, & Deaira Thompson

Abigail DuBois, Ashley Atkins, Aspen Mickles, & Abbey Lovelace

Alyssa Hazlegrove, Kendal Vairo, & Tamar Thompson

Shannon Graham, Courtney Kaczmarek, Elizabeth Llewellyn, & Payton Yates

Christina M. Burge

Malcolm Tillerson

Amelia Erickson & Makayla Hostetter

Timothy Bova

Oral Presentation Block 1

**Simpson Room, Upchurch 313**

Elizabeth Llewellyn & Courtney Kaczmarek

Morgan Sullivan & Emily Perevuznik

**Kraemer Room, Upchurch 312**

Grace Dalton

Caroline Crane

**House Room, Upchurch 302**

Kayla Hagues, Marissa Woods, Ellie Saunders, Ebone' Brogdon

JilliAn Moreland, Kiel Van Ness, Samuel Jones, Erica Tedder

Oral Presentation Block 2

**Simpson Room, Upchurch 313**

Elizabeth Llewellyn, Sydney Miller, & Morgan Sullivan

**Kraemer Room, Upchurch 312**

Nick Shomo, Lindsey Bowers, & Kelsey McCluster

Erin Mahone

**House Room, Upchurch 302**

Marie Danner, Amy Trowbridge, Abbey Stoneman, & Carly Moore

Mackenzie Shornak, Savannah Pierce, & Diamond Ray

Three Minute Presentations Round 2

Symposium Reception

Closing Remarks by Dean Chapman

Awards Presentation by Dean Perry and Dean Chapman

# POSTER SESSION (3:10-4:05)

**SOZA**

**BALLROOM**

**ABBY GARGIULO,  
REGHAN SLATER,  
MORGAN BOHANNON, &  
MCKENZIE YORK**

**CSD**

**MEREDITH PURYEAR,  
EMILY PEREVUZNİK,  
SYDNEY MILLER, & HOLLI  
EIMER**

**CSD**

**MEREDITH PAIGE,  
KARISSA HARRIS,  
MORGAN SULLIVAN, &  
DEAIRRA THOMPSON**

**CSD**

## **Effects of Traumatic Brain Injury (TBI) on Interpreting Text Messages**

Moderate to severe traumatic brain injury (TBI) may adversely affect linguistic and extralinguistic comprehension skills; thus, the ability to communicate effectively during activities of daily living may be compromised. This pilot study explored the ability of participants with and without moderate to severe TBI to accurately interpret the tone and meaning of a text message sent via an electronic device. The results of this investigation will be discussed in light of its relevance to efficacious clinical practice.

## **Phonological Awareness Skills Among Five Undergraduate Majors**

The research study tested undergraduate majors on tasks to assess their current phonological awareness knowledge. Participants were Longwood University freshmen, who voluntarily participated in the study. Majors included nursing, business, music, education, and pre-communication sciences and disorders. The Four Phonological Awareness Tasks and Instructions Provided to Subjects (Moran and Fitch, 2001) assessment included Phoneme Switching, Phonetic Reversal, Phoneme Counting, and Vowel Matching. The scores will be compared to draw conclusions based on majors and their phonological skills. We hypothesize that CSD majors will have the best phonological awareness knowledge among other majors being assessed.

## **Effects of Postural Position and Utensil Use on Simulated Pill Swallows**

The study set out to determine if different postural positions influence the perceived effort of swallowing and sip size taken during simulated pill swallows. The questions driving this analysis were based on the clinical observations and standard nursing practices for medication administration to patients in reclining hospital beds. Nurses state there is no standard oral medication protocol for safe swallowing practices in patients with dysphagia. 22 participants were recruited and instructed to swallow one or two gel capsules at 6 conditions with cup and straw use. Water in grams was measured before and after swallows.

# POSTER SESSION (3:10-4:05)

## SOZA BALLROOM

**ABIGAIL DUBOIS, ASHLEY  
ATKINS, ASPEN MICKLES,  
& ABBEY LOVELACE**

**CSD**

**Factors and Information Related to Nurses Administering Medication to Patients with Dysphagia**  
The purpose of this study is to determine what factors or information nurses take into consideration in order to provide proper care for patients. As information is gathered, it can reveal the specific impact it may have on the patient's quality of life as well as identify possible discrepancies in the method of care for patients with dysphagia. This data will be gathered through a questionnaire and two case studies that assess nurses decision-making strategies in regard to administering medication to patients with dysphagia.

**ALYSSA HAZLEGROVE,  
KENDAL VAIRO, & TAMAR  
THOMPSON**

**CSD**

**The Effects of Sensory Enhancement on the Acceptability of Nectar Thick Liquids**  
The purpose of the research study was to determine whether sensory enhancements improve the acceptability of nectar thick liquid for patients with dysphagia. Each participant was presented with four trials: (1) nectar thick liquid with no sensory enhancement, (2) nectar thick liquid with color, (3) nectar thick liquid with smell, and (4) nectar thick liquid with taste. Participants compared the acceptability of each trial, using a visual analog scale to rank the four trials from most acceptable to least acceptable. Results will be discussed as they relate to factors that affect acceptability of nectar thick liquid.

**SHANNON GRAHAM,  
COURTNEY KACZMAREK,  
ELIZABETH LLEWELLYN, &  
PAYTON YATES**

**CSD**

**Effect of Instruction Method on Competency and Perception of Proloquo2Go**  
Augmentative and alternative communication (AAC) devices are possible means of communication for children with verbal difficulties and have been shown to improve language and literacy skills. Educators typically do not receive AAC training, encountering difficulties when attempting to work with a child who uses one. This study investigated three approaches to learning the basics Proloquo2Go in order to assess the effectiveness of instructional method and its effect on the participants' attitude toward AAC. The results of this study have implications as to how educators approach AAC training and use.

# POSTER SESSION (3:10-4:05)

**SOZA**

**BALLROOM**

**CHRISTINA M. BURGE  
(DISTANCE POSTER)**

**SLIB**

**STEM in an Elementary Library: Does it impact student interest?**

In today's 21st century global economy, students need to develop their capabilities in science, technology, engineering, and mathematics (STEM) education. The problem is there is a shortage in STEM graduates, especially among women and minorities. Numerous attempts have been made to increase student interest at various educational levels. The purpose of this quantitative study is to measure if student interest increases over the course of the school year due to the implementation of authentic STEM activities in elementary school library classes, especially with female and minority students. This study asks if students participate in STEM activities in the library, does interest in STEM change over the course of the school year? This study is significant since there is little research on integrated STEM education, STEM interest, and STEM identity at the elementary school level (Masoni, 2015).

**TIMOTHY BOVA  
(DISTANCE POSTER)**

**HARK**

**The Creation of an After-School Program Benefiting Title I Students**

This article demonstrates the creation process and implementation process of an after-school program for a Title I elementary school. The steps of creation and implementation of the program are refined and specific, allowing detailed instruction. This program is made with a long term goal of creating a healthier community in the surrounding area through academic success in a lifetime. Through the program, students are taught strategies and given extra help and time to learn and understand the content given to them in school.

**MALCOLM TILLERSON  
(DISTANCE POSTER)**

**HARK**

**The Creation of an After-School Program Benefiting Title I Students**

Obesity, a common and costly health issue that increases risk for heart disease, type 2 diabetes, and cancer, affects more than one-third of adults and 17 percent of youth in the United States. In 2013, 29% of Prince Edward residents were classified as physically inactive as compared to 24% of Virginians and 21% of Americans (County healthrankings.org, 2018). The priority population are overweight and obese individuals in Prince Edward County. Providing these individuals with various outlets to participate in physical activity nutrition classes would benefit them so they will recognize and act on effective methods to reduce obesity.

# POSTER SESSION (3:10-4:05)

## SOZA BALLROOM

TRACY FRYE  
(DISTANCE POSTER)

HARK

BRITTIN PAYNE  
(DISTANCE POSTER)

HARK

### Dinwiddie Health & Wellness Program

The Dinwiddie County Parks and Recreation has a variety of health and fitness related activities for kids, but they lack a variety of adult activities. This report will explain why a new health and wellness program, designed specifically for adults, will benefit the community. It will explain the process of how to determine which aspects of health to focus on first and how to market the program.

### Seahawks Soaring to a Higher Quality of Life

St. Clare Walker Middle School (SCW) currently has a 'Biggest Loser' competition for the faculty and staff to participate in. There are roughly 38 faculty and staff members. The competition allows for the faculty and staff to participate in a 10 week weight loss competition. The winner receives a cash prize. The program was added to encourage the faculty and staff to increase their quality of life. I was able to add additional support to the program by suggesting implementation strategies and providing additional resources to the staff participants. The suggestions are supported by different health models. With the changes suggested, it will hopefully encourage more faculty and staff to participate in the program. The program will hopefully encourage the participants to encourage other colleagues and their families to incorporate a healthy lifestyle.

20  
19

# POSTER SESSION (3:10-4:05)

## SOZA BALLROOM

AMELIA ERICKSON &  
MAKAYLA HOSTETTER  
SPED

### Testing with Mr. T: Psychoeducational Assessments of a Student with Intellectual Disabilities

Abstract: As we are working to achieve our Master's degree in Special Education, we wanted to observe and delve deeper into the mind of a student that is already receiving special education services. We were able to utilize different psychoeducational assessment instruments to investigate and determine the strengths and weaknesses of our selected student. The instruments that we utilized in this process were the following: Woodcock Reading Mastery Test, Kaufman Test of Educational Achievement-3, and KeyMath-3. These tests assess a student's abilities in many different subject areas: reading, math, language, writing, and comprehension. Before starting this inquiry with Mr. T, we hypothesized that he would have major weaknesses in his reading abilities in comparison to other subjects because of his placement in the lowest reading class. The different testing instruments we use will allow us to collect data to confirm or deny this assumption. The results of our testing confirmed our hypothesis. Mr. T's testing data showed him to be very low in his reading skills. In addition, we concluded that he is below grade level in his math and written language skills. We recommend that Mr. T receive remediation in reading, math, and writing; paired with continuous assessment by his current and future teachers to ensure accurate and up to date data.



## **ORAL PRESENTATION BLOCK 1 (4:10-5:00)**

### **SIMPSON ROOM, UPCHURCH 313**

**ELIZABETH LLEWELLYN  
& COURTNEY  
KACZMAREK**

**CSD**

#### **Acoustic Variables that Contribute to Listener Perceptions of Speaker Gender with Transexual Individuals**

A major concern of individuals undergoing the process of transitioning from one sex to another is the perception of their own voice and its portrayal of their authentic gender. Our presentation aims to review the concepts and acoustic variables that contribute to listener perceptions of speaker gender, particularly with transexual individuals. The audience will understand the significant characteristics that play a part in listener perception of speaker gender; most notably, the role of fundamental frequency and resonance.

**MORGAN SULLIVAN &  
EMILY PEREVUZHNIK**

**CSD**

#### **The Effects of Classroom Acoustics on Children's Listening Potential in School Settings**

Many educators are unaware of the poor acoustic quality of the classrooms they are in every day. The classroom acoustics are altering listening perception and comprehension abilities in children both with and without hearing loss. Research has proven that this type of environment is not conducive for learning. However, by understanding how children, and teachers, are affected by poor classroom acoustics and the severity of poor signal-to-noise ratios, we can advocate for better listening environments in schools. As speech-language pathologists, we stand on the front line and are tasked with ensuring the betterment of the future generation's education.

## **ORAL PRESENTATION BLOCK 1 (4:10-5:00)**

### **KRAEMER ROOM, UPCHURCH 312**

**GRACE DALTON**  
**RLL**

**Multi-Age Instruction: An Effective Learning Environment or Simply a Cost-Effective Endeavor?**  
Budget cuts and teacher shortages are plaguing our school systems and school administrators are attempting to use whatever means necessary to help combat this current predicament. One trend that is on the rise is the reinstallation of multi-age classroom environments. This is a learning innovation that can be traced back to the times of one-room schoolhouses. In that era, one-room schools were born out of necessity; communities did not have the budget nor the resources to run a school like we know today. With this recent push to revert to this type of learning environment, the question must be asked: Are we returning to this type of classroom setting because of the current teacher and budget shortages or is there solid evidence grounded in respected research that proves this setting to be beneficial to our students? Compared to a traditional or single-age classroom, does the multi-age setting increase academic achievement, specifically in math and literacy, as well as a student's socio-emotional skills? Could multi-age classrooms be the solution that we are looking for that not only helps keep costs lower but also provides an optimal learning environment?

**CAROLINE CRANE**  
**RLL**

**Too Late for Education?: Recommendations for Late Arriving English Language Learners Before They Lose Their Right to a Free Public Secondary Education**

Virginia high schoolers lose their right to a free and appropriate secondary education at age 20. For English Language Learners (ELL) who need 5 to 7 years to become proficient with the language, arriving in their late teens can work against their ability to fully acclimate to the workforce and culture surrounding them. This session shares findings from the scarce research conducted with this population, focusing on the successful use of strategies employed in adult English as a Second Language (ESOL) and General Education Diploma GED programs.

## **ORAL PRESENTATION BLOCK 1 (4:10-5:00)**

**HOUSE ROOM,  
UPCHURCH 302**

**KAYLA HOGUES,  
MARISSA WOODS, ELLIE  
SAUNDERS, EBONE'  
BROGDON  
COUN**

### **The Effectiveness of the Academic Advising Model at Longwood University**

A qualitative program evaluation on the CLASP program at Longwood University. We are looking at the effectiveness of the academic advising model and techniques used to advise college students on academic probation. We are looking specifically at the characteristics of students on academic probation, various academic advising models, and the different counseling techniques that are beneficial for students on academic probation.

**ERIN MAHONE  
COUN**

### **The Impact of Group Narrative Therapy on Self-Concept in Women who have Experienced Complex Trauma**

This study will explore the impact of a group narrative therapy experience on self-concept in a diverse selection of women who are survivors of complex trauma. A sample of fifty participants will be collected internationally engaging the support of narrative therapy group facilitators. In this mixed-methods explanatory sequential design, phase one will include demographic and Robson self-concept surveys followed by participant interviews in phase two. Final reports will explain the general quantitative findings, and employ narrative inquiry with the intention of publishing the participants' narratives, the impact of the group experience in developing that narrative, and associated themes arising from the survey data.

## **ORAL PRESENTATION BLOCK 2 (5:05-5:55)**

**SIMPSON ROOM,  
UPCHURCH 313**

**ELIZABETH LLEWELLYN,  
SYNDEY MILLER, &  
MORGAN SULLIVAN**

**CSD**

### **Connections between Hearing Loss and Other Health Conditions: Diabetes, Depression, and Increased Hospitalizations**

Individual health condition are often thought of as occurring in or affecting only a particular part of the body. Hearing loss is often thought of as occurring in our ears. This presentation will summarize research findings related to: 1) Increased risk of hearing loss when diabetes is present, and 2) Increased risks of depression, and hospitalizations when hearing loss is present. The information presented here should be utilized by clinicians in any field, so they may consider incorporating hearing screenings/assessments as part of overall patient care.

20  
19

## **ORAL PRESENTATION BLOCK 2 (5:05-5:55)**

### **KRAEMER ROOM, UPCHURCH 312**

**NICK SHOMO, LINDSEY  
BOWERS, & KELSEY  
MCCLUSTER**

**COUN**

#### **The Impact of Counselor Self-Disclosure on Sexual Minority Participant's Perceptions of the Helping Alliance**

Throughout history sexual minority groups have been viewed through heteronormative lenses where heterosexuality is seen as a societal normality. In the field of psychology, sexual orientation has been the center of many controversial counseling practices, interventions and viewpoints. This research proposal intends to expand on current research and demonstrate differences in gay, lesbian and bisexual participant perceptions of the helping alliance on the basis of counselor self-disclosure of sexual orientation. The researchers expect to conclude participants would rate the counselor who self-discloses sexual orientation higher on the helping alliance scale as compared to the same counselor who does not self-disclose in a ten-minute pre-recorded video session of therapeutic affirmative counseling. Keywords: heteronormative, counseling, perceptions, helping alliance, self-disclosure

**JILLIAN MORELAND, KIEL  
VAN NESS, SAMUEL  
JONES, ERICA TEDDER**

**COUN**

#### **The Effectiveness of Intensive In-home Counseling for Children with Trauma Histories**

The treatment of childhood trauma has continuously evolved with the discovery of new counseling approaches. Intensive in-home counseling is one of the most recently developed models of treatment. Research has shown that this model allows children and parents to collaboratively recover from trauma and learn new coping strategies. However, there remains a need for further investigation of this form of treatment for complex trauma. This proposed study will interview parents of children receiving these services to examine their effectiveness and aspects that could be improved.

## **ORAL PRESENTATION BLOCK 2 (5:05-5:55)**

### **HOUSE ROOM, UPCHURCH 302**

**MARIE DANNER, AMY  
TROWBRIDGE, ABBEY  
STONEMAN, & CARLY  
MOORE  
COUN**

#### **Understanding Sex Education Programs and their Effectiveness**

Sex education is a program of which most public schools in the United States implement with children and adolescence. Unfortunately, there is a profound gap in the literature that is available on this topic. The literature which does exist on sex education programs implies that current programs do not yield successful practice of safe sex by students and that there may be more effective interventions to consider when developing a sex education program. To create an effective sex education program which will generate lower rates of risky sexual behavior in adolescence, a program evaluation should be completed to gather data and provide information on tested interventions which can be included in the curriculum. Keywords: sex education, safe sex, teen pregnancy, sexually transmitted diseases

**MACKENZIE SHORNAK,  
SAVANNAH PIERCE, &  
DIAMOND RAY  
COUN**

#### **The effectiveness of inpatient treatment programs for military veterans with PTSD and comorbid mental health issues**

Throughout the world, there are veterans in inpatient treatment programs that have been diagnosed with PTSD (and possibly comorbid mental health diagnoses) that are entering the real world and not getting the help they need after treatment. Inpatient treatment programs are not focusing on each individual diagnosis for veterans with PTSD in order to see positive and effective changes. The comorbid mental health issues we plan to research include substance abuse, suicide, and pain symptoms.

# RECOGNITIONS & AWARDS

## *SPECIAL THANKS TO*

Donors to the Graduate Research & Travel Awards  
The College of Graduate & Professional Studies  
Graduate Council Research Symposium Committee:  
Dr. Angelica Blanchette, Reading, Literacy, and  
Learning Program

Dr. Kathleen McCleskey, Counselor Education Program  
Ms. Tammy Hines, Greenwood Library  
Ms. Brooke Greenbank, CGPS Administration  
Brittany Bishop, Counselor Education Program  
Hailey Kitchen, Counselor Education Program

## *RECEPTION & AWARDS*

Made possible by the College of Graduate and  
Professional Studies.

Open to participating graduate students and Longwood  
faculty & staff

Presenter recognition, Heavy hors d'oeuvres, and adult  
beverages



2019

*Longwood University's 5th annual*

**GRADUATE  
RESEARCH  
SYMPOSIUM**

*Part of the Spring Symposium for  
Research and Creative Inquiry*

**THANK YOU TO ALL FOR YOUR  
ATTENDANCE AND SUPPORT!**