**Session 5A**

**Moderator:** Xiaodan Huang

**Mentor:** Courtney Flint

**Andrew Hartley, Sociology**

**Child Killers**
I will examine ten school shooters from the late 1990s to the present. Several theories will be given to explain this behavior. From the psychological model, psychopathy, psychosis, and trauma are the most salient predictors of school shootings however there is a complex process by which an individual goes from this to a school shooting. From the sociological model, strain theory, differential identification theory, status frustration theory, stress theory of violence, social identity theory, and hegemonic masculinity are valuable in explaining this behavior. However, I hold that Bronfenbrenner's ecological model is best in explaining the complex behavior. Finally I propose policies that increase the number of mental health professionals in schools and also limit the availability of guns as prevention methods for future attacks.

**Mentor:** Dan Shope

**Amanda McGinnis, Sociology**

**How Substance Abuse Relates to Parenting Skills Rural in Appalachian Women**
This literature review covers the effect that substance abuse has on family, parenting skills, and how it promotes a greater risk of substance abuse and delinquent behavior in the children being reared in such an environment. What factors create the dysfunctional family and substance abuse and why is it so dominant in rural Appalachian women? Both substance abuse and poverty are cyclical generationally, both seemingly accompany one another, and, most importantly, both are primary sources of familial dysfunction.

**Mentor:** Rhoni Maxwell-Radar

**Leah Arms, Psychology**

**The Development of a Healthy Personality**
The tendency of psychology and researchers everywhere is to study personality through the lens of pathology. Using the Trait theory perspective as well as the Learning and Behavioral perspectives, this presentation offers a case study that adopts Abraham Maslow’s position and discusses the development of a healthy personality. The analysis of this individual’s personality was obtained via the completion of the Myers-Briggs Type Indicator, True Colors, the Big 5, as well as through several behavioral interviews. By studying the aspects of personality from a healthy standpoint we hope, like Maslow, to encourage overall health.
The Importance of Beer in Relation to the Xhosan and Rwandan Peoples in the Context of Mariya

I this presentation, I will discuss the importance of beer in certain African cultures. From the beer drinking rituals of the Xhosa people to the “beer comes with a message” attitude of the Rwandan, it is clear that beer affects many aspects of life for these groups. Nutrition, socializing, communication, negotiating, and providing a means for income are but a few of the many purposes of beer. Whether it is a wedding ceremony or a serious debate, it is sure that beer will be present.

Community Awareness Project

This presentation is about a booklet we created to distribute to the public that addresses our county’s problems and needs, as well as how different agencies are addressing these needs and how the public can get involved.

A Plan to Microfinance a Better Tomorrow

This presentation is an outline of my plan to research in India for the academic year of 2014-2015. The presentation will include background information on microfinance in Southern Asia and how it has spread into India and neighboring countries. It will outline the need for development in many regions and it will show the past success of microfinance and social business in the developing world. It is really just getting the word out there about microfinance and how it can help the world develop.
Using Music to Facilitate Transitions In a 4th Grade Language Arts Classroom
My presentation will cover my experience in a fourth grade language arts classroom, where I have implemented the use of short songs to make transitioning between different activities go more smoothly and effectively. By using music, students have a set amount of time to transition to their next activity, and it is clear when the time is up and they should be working. This eliminates the likelihood of students getting distracted or being off task instead of transitioning to their next station, and decreases the amount of time it takes for students to make these transitions.

Using Song to Improve Reading Fluency
The purpose this study is to observe how the visual and auditory aspects of song can help to improve second grade students' reading fluency. It answers the questions, “What areas of reading fluency do students struggle with?” and “How can the incorporation of music and musical strategies increase reading fluency skills?” In particular, this study aims to determine the effects of these strategies on students’ rate of reading, while also observing efficiency of their phrasing and other aspects of expression. Repeated readings and auditory learning are employed as the primary tools for instruction as students read and sing song lyrics, improving accuracy and expression of reading fluency. The study encompasses a 10-week period in a second grade classroom. Early childhood educators (and possibly secondary educators), parents of young children, and young students themselves should be able to find value in the findings of this study.

Can Play Based Instruction Increase First Grade Students' Phonological Awareness?
The purpose of study is to examine the impact of play based instruction on first grade students’ phonological awareness. In particular, this study focuses on discovering how play based instruction impacts young children’s phonological awareness, especially blends, digraphs, and words ending sounds. Research was conducted to see what strategies can be used to stimulate student phonological awareness. Repeated interactive hands on learning and manipulatives are used as primary instruments to increase early learners’ phonological awareness focusing on blends, digraphs, and words ending sounds. The study was conducted in a first grade classroom over a time period of 10 weeks. With hope, the study findings will be of significant to early childhood educators, first grade students, and students’ parents.

The Use of Accelerated Reader (AR) in Schools
I will discuss how students view AR, the effects of AR on reading, and if it has a positive or negative impact on the student wanting to read or not.
Dangerous Discourse Surrounding Victorian Prostitution
I will be presenting a PowerPoint covering an essay that discusses the dominant discourse shaped by patriarchal figures of power that permeated throughout the Victorian period in regards to prostitution. It specifically addresses: the fear of contamination, anxiety regarding the existence of a new woman among society, and hysteria resulting from Jack the Ripper’s murderous transgressions against prostitutes, illustrating the dangers of discourse being articulated in a way that scrutinizes women during the Victorian period. It is also grounded in literary theory and criticism in regards to Michel Foucault by referencing his theories of discipline and power in terms of the examination and panopticism as technologies of power.

Decorate My Name
I will be analyzing *Wide Sargasso Sea*, written by Jean Rhys in the 1960s but also comparing some aspects of this text with Charlotte Bronte’s novel, *Jane Eyre*; Rhys's text meant to stand as a prequel to Bronte's text. The presentation will focus on patriarchal discourse and the implications it had concerning feminine identity. The main character of *Wide Sargasso Sea*, Antoinette, is a child then a young woman throughout the text and feels torn between cultures as she has been raised in the colonized West Indies, not really feeling English but not a native of the islands either. The marriage between her and her unnamed husband and their sexual relationship within the text are interesting things to take note on in terms of identity also, which this presentation will also do.
The Effects of Inhibiting Aerobic Glycolysis in Acute Myeloid Leukemia

The tendency of cancer cells to depend on glycolysis even in the presence of oxygen has been well documented. However, studies involving acute myelogenous leukemia (AML) are lacking. Therefore, we wished to determine whether AML cells are dependent on aerobic glycolysis to survive. Dichloroacetate is an inhibitor of aerobic glycolysis and acts to increase mitochondrial activity, which in turn increases the glucose oxidative pathways that generate adenosine triphosphate (ATP). This treatment has been observed in other types of cancers to stimulate apoptosis and thus, is considered a potential treatment. It was our hypothesis that treating AML cells with dichloroacetate will have the similar effects. This presentation will explain the methods used in our research to test this hypothesis and serve as a means of delivering our findings. Recipient of the Shawnee Student Research Experience (SSRE) grant.

Mentor: Thomas Carter
Logan Beckett, Biology, Premedical

Diagnosis and Treatment of Uncomplicated Urinary Tract Infections in Emergency Department

This project focuses on how physicians are diagnosing urinary tract infections (UTI). A UTI can be diagnosed or tested based on clinical suspicion. The aim of this research is to use data on proper identification of urinary tract infections to evaluate if education and graphic display of antibiotic over utilization can produce a reduction of over utilization of antibiotics. This project will perform a one year retrospective chart review of individual provider’s appropriate and inappropriate treatment of urinary tract infections based on presence or absence of clinical symptoms of UTI.
Christopher McCormick, Philosophy

**Why Possible Worlds Fail**
In the study of modality, possible worlds have recently served as an accepted model in understanding possibility. Philosophers continue to debate over what constitutes a possible world and how a possible world could ground the truth of modal claims. This presentation will examine the three dominant views of possible worlds and show how each one fails. Each view has its individual and unique faults, but the overarching argument that will be made is that in every case the possible worlds do not truly ground possibility.

Mentor: Dan Johnson

Karly Williams, Psychology

**The Art of Graffiti**
This presentation will discuss how graffiti can be considered an art form even to an untrained eye, also calling to question the definitions of art and vandalism.

Mentor: Dan Johnson

James Manchester, Philosophy and Religion

**The Problem of Hell**
Christian theology has long been plagued by the problem of evil. However, it seems that the idea of hell is also problematic. My presentation will present the problem of hell, it's relation to the problem of evil, and the implications involved.
Yoga and the Goddess
The Goddess, and her many manifestations, are deeply influential on many different forms of yogic traditions in Hinduism, such as Tantra. Her divine image and symbolism is revered by followers and deeply tied to the very foundations of these yoga groups within the religion.

Doing the Bear's Den Right
All freshmen coming to Shawnee State University are required to buy a meal plan that allows the student nineteen meals a week. This is a great deal of food from the Bear’s Den. I’m sure you’ve heard the rumors, some of the food is good, and well, other food not so much. Taste may be a matter of preference, but nutrition is not. There are many healthy and unhealthy options in the Bear’s Den—do you know the difference? You may be surprised to learn that foods you thought were healthy may not be very healthy at all and not even meet basic dietary standards. In this session, you will learn how to read a nutrition label, which foods are recommended for college students and strategies for eating healthily in the Bear’s Den (and maybe even beyond the den!)

Legalize Everything
The use of mood-altering substances for personal pleasure is a practice that many scientists and sociologists have claimed predates recorded history. In recent times, the opioid epidemic in Southern Ohio has been a subject of study by respected news organizations from local to international levels. Regardless of its origins or history, substance use has only become increasingly controversial in the United States. On a local level, it is nearly impossible to live in a town such as Portsmouth without intimate knowledge of numerous, sordid drug-related activities, or at the very least individuals whom have been affected by the disease of addiction. Internationally, stories of horrendous crimes committed by organizations such as the Mexican drug cartel have served as nightmare fuel for many well-meaning citizens. Despite these hard truths, I will argue that the use of any imaginable drug should be legal for all willing individuals to use.
Multi-sensory Strategies Impact on Sight Words
The purpose of this study is to examine the impact of multi-sensory instruction on kindergarten students’ sight word acquisition. This study works to find if visual, auditory, and tactile activities will increase the amount of pre-primer Dolch sight words recognized by kindergarteners. Using a multi-sensory teaching approach caters to different learning styles that a variety of students may have. Different types of manipulatives will be used in this study including play dough, puffy paint, sensory sand, letter stamps, and magnetic letters. This study is to be conducted over a 10 week period in a kindergarten classroom. The results of this study should benefit kindergarten students, their parents, and educators.

Mentor: Kejing Liu
Molly Shreffler, Early Childhood Education

The Impact of Repeated Reading on Oral Reading Fluency
The purpose of this study is to examine the impact of repeated reading strategies on first graders’ oral reading fluency. In particular, this study seeks to discover how repeated reading strategies, such as timed readings, choral readings, echo readings, and paired readings impact young readers’ oral reading fluency. Repeated reading strategies allow learners the time and practice to improve upon the accuracy, autonomy, and expression used while reading through repeatedly reading a text with the guidance and support of an adult. This study was conducted over a ten week period in a first grade classroom. Hopefully, this study will be of value and benefit to early childhood educators, first graders, and their parents.

Mentor: Kejing Liu
Megan Miller, Early Childhood Education

Does Repeated Reading along with Choral and Echo Reading Improve Fluency?
My action research project is focused on improving fluency skills in a first grade classroom working with a group of four. Each group member is on a different fluency level. I am mainly using repeated reading along with some choral and echo reading. I am using choral and echo reading to try and improve my students’ expression. Expression goes right along with fluency. By the end of my time with my group I am hoping to increase all of their words per minute to a minimum of thirty-two and to get my group to read with a lot of expression.

Mentor: Kejing Liu
Stephanie Arbogast, Early Childhood Education
Sight Words and Reading Fluency
The purpose of this study is to examine the impact of second grade students’ sight word knowledge on their reading fluency. In particular, this study aims to discover how sight word knowledge impacts young children’s reading fluency, especially rate of reading, and what strategies can be used to stimulate student learning in reading fluency. Repeated reading and in-depth sight vocabulary instruction are employed as primary instruments to deepen young learners’ mastery of sight word vocabulary and skills to quickly recognize them in reading. This study was conducted over a 10 week period in a second grade classroom. Hopefully, the study findings will be of significance to early childhood educators, second graders as well as their parents.
Philip E. Pollitt, Business Administration, Information Systems Management

**Cloud Computing in the Business World: The Sky’s the Limit**
My paper is an argumentative research paper covering the pros and cons of cloud computing in the business world. Cloud computing offers many advantages and opportunities for businesses of various sizes, however, there are a minimal amount of drawbacks in certain areas. Arguments are given for both perspectives, along with a final recommendation and prediction for businesses.

Arlene Allen, Paramedic

**Sleeves Up. Hearts Open. All In: My Red Cross Story**
“Sleeves Up. Hearts Open. All In.” This quote of dedication hangs above the door at the American Red Cross Disaster Operations Center in Washington, D.C. However, it’s not above the door as you enter the Operations Center; you see it as you exit the Center. The American Red Cross is there to help those in need, and to give them a sense of security and stability. It only makes sense that you would see this as you were leaving. I joined the Red Cross so I could make a difference, if only in just one person’s life. This is my Red Cross story.

Kayla Burke, Business Management

**The Disney Difference!**
What exactly is “The Disney Difference”? If you have ever been to a Disney park, you know that Disney provides excellent Customer Service! In order to have happy customers; however, you must have happy employees. You are always greeted with a smile from a Cast Member, no matter where you are! This presentation will explain some of the different aspects of how Disney continues to raise the bar in Employee Satisfaction, bringing people back year after year through its extensive Employee Incentive Programs, put in place in order to keep working morale high. It will also explain the benefits and experiences of the Disney College Program Internship, which I was lucky enough to be chosen to participate in. Being able to work at Disney for 7 months was a life changing experience, and I can’t wait to share my journey!
Howler Monkeys of Costa Rica
In May of 2013, several Shawnee State students traveled abroad to study biology at the Cano Palma Biological Station in Costa Rica. Located in the Barra Del Colorado Wildlife Refuge, the Cano Palma field station serves the needs of Rainforest researchers from around the world. As part of its mission to increase global awareness of the need for Rainforest conservation, the station encourages the participation of undergraduate students in scientific research. During our time at the station we participated in research on howler monkeys (subfamily Alouattinae). Howler monkeys are social animals that live in family units containing a single mature male, multiple females, and offspring. We assisted the lead investigator in identifying and recording the behavior of individual families. Behaviors of interest included traveling distance and social interactions within families and between families.

The Importance of Beach Clean Up
The Cano Palma Biological Field Station in Costa Rica serves the needs of rainforest and marine researchers from around the world. A portion of the field station’s activities are devoted to the understanding and preservation of endangered marine turtles. The turtles utilize the nearby Playa Norte beach for egg laying. Incoming turtles are tagged, measured, and inspected for health by trained station volunteers. Nightly beach patrols are conducted, during which time egg laying females are monitored and clutch size is determined. Hatchling turtles face many obstacles including poaching, predators, and human generated debris. Trash litters the distance between hatchlings and the open ocean. Shawnee State students participated in the collection of data on beaching females and helped clear the environment of debris. Several thousand pounds of glass, metal, plastic and driftwood are collected each year and carried back to the station for proper disposal. Such efforts are essential for conservation.

The Rise of Modernity: A European Adventure
How did the world as we know it today become what it is? Who shaped the cultures and religions? Why do we have different beliefs? This presentation covers the rise of modernity through the experiences of a small group of college students from Shawnee State University. Over the course of nearly one month, this group of students discovered the beauty of Versailles, the hardships of the Berlin Wall, and the majesty of Vatican City. The true meanings of these sites were exposed during the educational trip. This presentation will be an explanation as to how these students became familiar with the rise to modernity and learned its history through experience and exploration.