

Friday, April 10th, 2015 1 - 4 p.m. Arts Center



Introduction

We are excited to host the fourth annual CARS (Creative Activity and Research Showcase), which highlights the achievements of Nazareth's undergraduate and graduate students. CARS 2015 features more than 260 students who will display their work in a variety of formats, including performances, posters, artwork, and presentations. The presentations will include the work of 2014 Faculty-Student Summer CARS grant recipients.

The CARS event highlights the remarkable breadth and depth of the academic activities available to the students at Nazareth, ranging from scientific research to theater and dance performances. It also underscores the value of a Nazareth education, which partners faculty and students who are dedicated to learning and discovery.

I hope you are as impressed as I am with the many achievements of our students.

Sincerely,

Daan Braveman

Dan Bravenan

President, Nazareth College

On behalf of the Office of Sponsored Programs and Faculty Research, which hosts the annual CARS event, we would like to thank our volunteers who have given their time to serve on the planning committee or as judges. We appreciate your commitment to the CARS event and acknowledge that CARS would not exist without support of the College community. Thank you.

CARS 2015 Judges

Jeremy Bagley
Brian Bailey
Sherri Baker Hamilton
Andrew Bartlett
Eileen Beiter
Nuala Boyle
Mary Kay Bradley
Mary Ann Bush
Steve Demanchick
Michelle Donahue
Cathy Doyle
Rose Hair
Bill Hallahan
Kathy Hansen

Shanna Jamanis
Melissa Johnson
Jed Metzger
Samantha Nolte-Yupari
Lisa Perks
Cathy Rasmussen
John Reef
Kevin Riordan
Elizabeth Robinson
Matthew Schoell
Allen Shannon
Shirley Sommers
Megan Tobin
Kevin Worthen
Stephanie Zamule

CARS 2015 Committee

Cathy Doyle (Library)

Stephen Hill

Diane Enerson (Psychology and Higher Education Student Affairs Administration)

Grant Gutheil (Psychology)

Jennifer Harman (Sponsored Programs and Faculty Research)

Kelly Hutchinson-Anderson (Chemistry and Adolescence Education)

Mireille Le Breton (Modern Foreign Languages)

Debra Mathewson (Sponsored Programs and Faculty Research)

Kim McGann (Sociology and Anthropology)

Stephen Tajc (Chemistry)

Octavio Vazquez (Music)

Amanda Wright (Graduate Assistant)

A special thank you is extended to the CARS 2015 Creative Team - Tyler Carr and Justin McKeever. Tyler and Justin, under the guidance of faculty member Sherri Baker Hamilton, worked with the CARS 2015 committee to refresh the CARS logo, create promotional flyers and design poster templates for participant use.

Program at a Glance

Format	Location	Time	
Performances	Arts Center: A13	1:30 p.m. Musical Selections from Secret Garden	
		1:45 p.m. Dance Improvisation	
		2:00 p.m. The Asteria String Quartet	
		2:15 p.m. Serenade in Eb Major, Op. 7 by Richard Strauss	
		2:30 p.m. 'A Cappella' arranging and performing	
		2:40 p.m. Out of Time	
		2:50p.m. Dynamo of Volition	
		3:00p.m. Panel Discussion	
Presentations by 2014 Summer	Arts Center: A14	1:10 p.m. Structural Analysis of Small Molecule Cation Receptors in Water (Dr. Stephen Tajc, Faculty Sponsor)	
CARS Grant Recipients		1:23 p.m. Building an Archive: Documenting the History of Rochester Latinos (Dr. Isabel Cordova, Faculty Sponsor)	
		1:35 p.m. Remediation of Persistent Environmental Pollutants Using Plant and Bacterial Systems (Dr. Stephanie Zamule, Faculty Sponsor)	
		1:47 p.m. Stabilization of Catalytic Tin Species with Phosphine Ligands (Dr. Richard Hartmann, Faculty Sponsor)	
Posters	Arts Center: Upper Lobby and Lower Lobby	2:00 p.m. – 3:30 p.m.	
Reception	Arts Center Upper Lobby	3:30 p.m 4:00 p.m.	

The Nazareth Undergraduate and Graduate Art Exhibitions will be open from 12:00 p.m. – 8:00 p.m. in the Arts Center Gallery and the Colacino Gallery.

The Undergraduate Student Exhibition and the Graduate Exhibition are annual events in which Art students submit their best work in a variety of media to be considered for the shows. Faculty panels jury the work for acceptance into the shows. Students are involved in every aspect of the exhibitions, including designing the posters, hanging the shows, and preparing the receptions. Once the shows are mounted, an outside judge selects pieces for awards in each category (best painting, best sculpture, etc.) and an overall Best in Show.

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Thomas Cerio (#16)	
Faiza Chappell (#17)Casey Cline (#18 G)	
Stella Cota and Kelly Barrett (#19)	
Grace Crowell (#20 G)	
Joshua Daniels (#21)	

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^{*(}G) after the poster number denotes graduate student

Performances

The Asteria String Quartet

Participants: Evealise Boughton, S. Shade Zajac, Brianne Oricchio and Kiran

Rajamani

Faculty Sponsor: Professor Octavio Vazquez, Music

Abstract: Based out of Rochester, NY, the Asteria String Quartet is comprised of four young classically trained musicians who enjoy performing together. The group was founded in October 2014, and rehearses several times throughout the week on the Nazareth College campus. The Asteria Quartet strives to make an emotional impact on the audience by using music, while still staying true to the intentions of the composer. All of the musicians in the quartet have a passion for music and love sharing it with all who will listen.

Reason for Participating: It was brought to our attention by a faculty member. We thought it would be a great performance opportunity, and we're always on the lookout for new opportunities to showcase our work.

Serenade in Eb Major, Op. 7 by Richard Strauss

Participants: Nicole Darling, Stacy Yazo, Kyle Martin, Hannah Shuetz, Jackie Richards, Gina Lane, Meredith Rice, Taylor Eike, Christopher Redmond, Whitney Fairchild, Arissa Kyler, Katie Dickey, Hali Shepard and Sean Power

Faculty Sponsor: Professor Jared Chase, Music

Abstract: Serenade in Eb Major, Op. 7 by Richard Strauss is a staple work in wind ensemble repertoire. It was composed in 1881 for 13 winds including Flute, Oboe, Clarinet, Bassoon, French Horn, and Contrabass. Inspired by his father's skilled French Horn playing, Richard Strauss wrote this piece to showcase the Horn and its ability to meld beautifully with the timbre of the woodwinds. Members of the Nazareth College Wind Symphony have been rehearsing this piece with student conductors to give players and conductors the opportunity to study and play one of Richard Strauss' most famous works.

Reason for Participating: ENS080, Nazareth College Wind Symphony

Performances

Dynamo of Volition

Participants: Dylan Moore, Ahren Henby, Iain Cockram, Rahmy Eltour, Sara Rogers and Anastasia Polashensky

Faculty Sponsor: Professor Octavio Vazquez, Music

Abstract: Arrangement of a fast-paced pseudo-rap song by Jason Mraz for three horns, electric bass, acoustic guitar, drum kit, and at least two vocals. Arranged for my Senior Recital over the Spring 2015 semester.

Reason for Participating: Music Business Senior Recital Project

Out of Time

Participants: Nick Sherman, Zak Lijewski, Jake Brooks and Jamison Brooks

Faculty Sponsor: Professor Octavio Vazquez, Music

Abstract: Arrangement of a fast-paced pseudo-rap song by Jason Mraz for three horns, electric bass, acoustic guitar, drum kit, and at least two vocals. Arranged for my Senior Recital over the Spring 2015 semester.

Reason for Participating: Music Business Senior Recital Project

Dance Improvisation class

Participants: Lydia DiCaprio, Zhongyuan Fa, Claire Ganem, Michaela Groth, Francis Grunfeld, Kevin Cody Hunt, Mahalie Lissade, Alexus Maxam-Micciche, Noelle McElrath-Hart, Sarah McLaen, Emily Mullin, Eric Nesbitt, Kit Prelewitz, Grant Richards and Ashley Schad

Faculty Sponsor: Professor Heather Roffe, Theatre and Dance

Abstract: We will create a structured Improvisation to perform. The structure will be designed collaboratively by the members of the class, and we welcome a dialogue with the audience to discuss our process.

Reason for Participating: To have the opportunity to perform and discuss Improv as a performance art.

'A Cappella' arranging and performing

Participants: Emma Sheedy, Jenni Logan, Cece Diaz, Alyssa Goodness, Alyssa Smith, Doree Primavera, Jess Tripi, Mahali Lissade, Mariah Rector, Natalie Burrows and Shaondel Hall

Faculty Sponsor: Professor Octavio Vazquez, Music

Abstract: Both Ian Cockram and I have written arrangements of various music themes for Nazareth's two A Cappella groups: "Call4Backup" and "Fermanta Thin Air". We will be presenting two pieces each, showcasing different vocal ranges, vocal percussion, and arranging styles.

Reason for Participating: Showcasing the abilities of the different A Cappella groups here on campus, as well as the arrangers.

Musical Selections from Secret Garden

Participants: Allie Tabor, Meghan Palmer, Katlyn Feder, Shane Heidecker, Hannah Karpenko, Matthew Allen, Katie Sweeney, Amanda Blake, Seth Hatch, John Connors, Bella McGrath, Mike Schuetz, Adam Marino, Josh Feldman, Grant Richards, Chris Peterkin, Erin Griffin, Joey Cantatore, Kit Prelewitz, Tess DeFlyer, Emily Mullin and Michaela Groth

Faculty Sponsor: Professor Lindsay Reading Korth and Professor Corrine Aquilina, Theatre and Dance

Abstract: We will present selections from the musical THE SECRET GARDEN, adapted from the novel by Frances Hodgson Burnett, book and lyrics by Marsha Norman, musical composition by Lucy Simon. The Nazareth College Department of Theatre and Dance production opens at 8 PM following the CARS event. The cast consists of musical theatre and acting majors who began rehearsals in mid-February and will be working 5 evenings a week until opening.

Reason for Participating: THL01, Theatre Arts Lab

Presentations of 2014 Faculty-Student Summer CARS Grants

Mirzi Grace Devolgado, Kimberly Major, Kathryn Vantroost, Ethan Luta, Sarah Potter, Courtney Taylor and Kathleen O'Donnell

Title: Remediation of Persistent Environmental Pollutants Using Plant and Bacterial Systems

Faculty Sponsor: Professor Stephanie Zamule, Biology

Abstract: Each student sought out to assess the ability of various plant and bacterial systems, namely the common bean plant and several Pseudomonas species, to degrade pollutants in the environment that may otherwise persist for long periods of time, contributing to adverse health effects in humans and animals. To evaluate the ability of various Pseudomonas species and the common bean plant to take up imidacloprid and thiamethoxam from the environment, the bacteria or plant was grown in the presence of a range of environmentally-relevant concentrations of each pollutant. Over a two week period, the plant or bacteria was grown in liquid media and analyzed via high performance liquid chromatography (HPLC) to quantify resulting changes in the amount of the pollutant remaining in the media. Additionally, various Pseudomonas species were cultured on solid media with imidacloprid as the sole carbon or nitrogen source, to determine whether or not these species can use imidacloprid exclusively for their nutritional needs. Exposure to harmful pollutants in the environment can result in adverse health effects in both humans and animals. Assessing the ability of plant and bacterial systems naturally found in the environment will aid the remediation process of a site to make it suitable for its intended or future use.

Reason for Participating: To present the summer research funded by CARS grant

Erin Maloney and Taylor Cook

Title: Building an Archive: Documenting the History of Rochester Latinos

Faculty Sponsor: Professor Isabel Cordova, History and Political Science

Abstract: We established a partnership with RMSC library archives and the local history department within the Central Library of Rochester and Monroe County. We created a finding aid and organized a collection documenting previous efforts to establish a Latino archive at the RMSC, completed interviews with those involved and also uploaded 40 interviews of Rochester Latinos along with their respective written summaries in preparation to launch an online collection "Latino Voices" within the Rochester Voices (Central Library) database and website. The intent is to facilitate future research on Rochester Latinos.

Reason for Participating: Requirement for having received summer grant money

Jacob Murray, Kevin Denny, Kathryn Proe, Jaissy Sekhon and Yasho Nandini Singh

Title: Stabilization of Catalytic Tin Species with Phosphine Ligands

Faculty Sponsor: Professor Richard Hartmann, Chemistry

Abstract: Tin has been found to have catalytic effects in many processes. The compounds SnX4 (X=Cl,Br,l) are very reactive species which hydrolyze/oxidize readily. To stabilize the catalyst, a bis-phosphine ligand can be bound to the SnX4 species. Several free ligands (bis(diphenylphosphino)phenylenediamine and bis(diphenylphosphino)aminoethyl) and their resin bound analogues were coupled with Sn(IV) species and their ability to catalyze the esterification of oleic acid was tested. Results suggest that the phosphine couples to tin while retaining some catalytic activity.

Reason for Participating: Research

Andre' Richardson, Jacob Moose, Jacob D. Murray, Meaghan Porter, Claire Sobraske and Stacey Yazo

Title: Structural Analysis of Small Molecule Cation Receptors in Water

Faculty Sponsor: Professor Stephen Tajc, Chemistry and Biochemistry

Abstract: The United States Department of Energy Annual Outlook report for 2015 estimates the demand for natural gas to increase as high as 40% by 2035. Hydraulic fracturing technology is an effective method for accessing previously unattainable natural gas resources in shale rock formations, but is not without environmental concerns. With a tremendous supply of water required for drilling, in combination with contaminated flowback wastewater with excessive dissolved metals, there has become an essential and urgent need for new methods of wastewater treatment. Many small molecules have proven successful in binding heavy metals in water. This proposed research explores the ability of pyridine-2,6-dicarboxylic acid (DPA) to bind and sequester metal containments found in contaminated flowback wastewater in addition to having the added potential for bioremediation.

Reason for Participating: Summer Research

Posters

Bethany Althaus, Allison DeCory, Meg DeMario, Emma Morsch, Emily Sauter and Hector Zurita (#1 G)

Title: Cultural Activities in Kerala, India

Faculty Sponsor: Professor Michael Huson and Professor Elizabeth Clark, Physical Therapy

Abstract: This poster will be part of a three part series created by the physical therapy students who traveled to Kerala, India this Christmas break. We traveled there to work alongside Indian PT students to collaborate, teach, and treat patients together. While we were there we participated in a number of activities to gain a better understanding of the Indian culture. As future physical therapists it is important that we are culturally competent and able to accommodate patients from all different backgrounds and cultures. This trip was a huge step towards this goal. We would like to share our insights and photos so that everyone can share in our amazing experience.

Reason for Participating: PTR73005, Selected Topics in Physical Therapy

Alycia Andolina and Reak Csima (#2)

Title: Iron Nails in an Apple: Just an Urban Myth?

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence Education

Abstract: In this experiment we investigated the urban legend that you can boost your iron intake without supplements by placing a dozen nails in an apple overnight. The legend indicates that after leaving the nails in overnight, the apple will have high levels of iron. To test this legend, we first determined the amount of iron in an apple, peach, carrot, and potato prior to adding any nails then again after a dozen nails were inserted overnight to see if there was any change in the amount of iron.

Reason for Participating: SCI 101 & 101L, Integrated Science Inquiry and Lab

Kristina Back and Kelsey Sweet (#3)

Title: Making the best maple candy

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence

Education

Abstract: Maple syrup can be turned into a variety of maple candies from taffy to sugar candy. In this experiment, we investigated how both temperature and different types of syrup influences the type of candy produced. Specifically, we examined how the temperature in which the syrup is heated influenced the type of candy produced as well as how different syrups, pure maple syrup, sugar free maple syrup, pancake syrup, and sugar free pancake syrup, determined the final product of candy.

Reason for Participating: SCI 101 & 101L, Integrated Science Inquiry and Lab

Hannah Bailey and Gianna Filiaci (#4)

Title: How does soil pH influence plant growth?

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence Education

Abstract: The purpose of this experiment was to determine the effect of different pH soil levels on the growth of one species of plant. To measure the effect of pH, we planted seeds in soils of different pH content ranging from pH 4 to pH 10 and measured the height of the plant above the soil at regular increments as it grew. We then recorded these measurements and any differences in physical appearance for each variation of soil pH.

Reason for Participating: SCI 101 & 101L, Integrated Science Inquiry and Lab

Kathleen Barker (#5)

Title: Tampons, Erectile Dysfunction, Condoms, and Big Pharma: An Analysis of Television Commercials for Awkward Products

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: The most common way to sell a product is through commercials, however what do you do when people don't want to talk about or hear about your products because it's supposed to be private? This research examines the ideas about "normality" that ads portray to sell their products by doing a content analysis of commercials for tampons, erectile dysfunction pills, condoms, and pharmaceuticals.

Reason for Participating: SOC444, Sociology Senior Seminar

Hannah Barrett (#6)

Title: Maybe She's Born With It: Maybe It's A Societal Expectation of Femininity

Faculty Sponsor: Professor Rachel Bailey Jones, Women and Gender Studies

Abstract: When considering cosmetics, I began to wonder, what makes makeup feminine? More specifically, why are cosmetics such as eyeliner, mascara, or skin care products mainly targeted towards women when in fact, both men and women have eyes and skin that these products are intended to be useful for. In viewing contemporary cosmetic use, I will be able to gather supporting evidence that the societal expectation of makeup is for women's use only. I plan to conduct an anonymous survey on an audience's thoughts about cosmetics, their own experience with cosmetics, and how they view others who use them — both males and females. Gathering a collection of advertisements, product labels, and other media sources, that generate the belief that cosmetic use is specifically for women, will help support the belief that the only reason cosmetics are viewed as feminine, is because of societal pressure and construction of 'normal' leads us to believe so. This is important because in order to view things from a different perspective separate from the false blanket of protection of 'normal' that society pretends to offer us, we must deconstruct these generally accepted views to form deeper meaning.

Reason for Participating: WGS 440, Seminar Women and Gender Studies

Olivia Bauso, Shelby Just and Cara Donaloio (#7)

Title: Chocolate Meltdown

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence

Education

Abstract: The purpose of this experiment was to investigate the most efficient method for melting different types of chocolate. We tested dark chocolate, milk chocolate, white chocolate, and semisweet chocolate to determine the melting point of each type of chocolate and which type of chocolate yielded the best quality. In addition to varying the type of chocolate, we varied the method of melting each type. Using a double-boiler on a stove, a microwave, and a bunsen burner, we found which method was most successful in melting each type of chocolate.

Reason for Participating: SCI 101 & 101L, Integrated Science Inquiry and Lab

Nicole Bayona (#8)

Title: Analysis of the Esterification of Oleic Acid using Tin (II) Halides: A Kinetic Study CARS 2015

Faculty Sponsor: Professor Richard Hartmann, Chemistry

Abstract: Isotopes are two or more forms of the same element that contains equal number of protons, but different number of neutrons in their nucleus, and hence have the same atomic number, but different mass number. One can say isotopes are radioactive forms of an element. "Kinetic isotope effect" helps us determine the difference in reaction rates of two different isotopically labeled molecules in a chemical reaction. Our primary purpose is to find out whether the kinetic isotopes of tin (II) halides (F, Cl, Br, I2) can impact the esterification of oleic acid in terms of its reaction rate.

Reason for Participating: CHM300, Independent Research

Shaina Capellupo (#11)

Title: How do the constructions of race and masculinity affect schools' policing and criminalizing of young men of color?

Faculty Sponsor: Professor Rachel Bailey Jones, Women and Gender Studies

Abstract: I've chosen to research how the constructions of race and masculinity affect schools' policing and criminalizing of young men of color, utilizing a feminist discourse analysis to investigate both the megarhetoric and micronarrative of the issue. I will analyze available school policies, especially related to security, discipline, and preventative services. This will be compared with youth-produced and shared knowledge about what it means to be a young, male, student of color. Epistemology, methodology and method will be intentionally feminist, as I have chosen a highly political question. I am concerned with comparing the widely accepted authorized knowledge of the education system with the experiential knowledge of the young people. The Rochester City School District is one district of many demonstrating a nation-wide trend of low graduation rates for male youth of color. There has also been attention drawn recently to the school-to-prison pipeline, in that certain young people are being policed away from the education system and into the justice system. By examining the megarhetoric and the micronarrative, I hope to uncover evidence that indicates that racial and gender stereotypes negatively impact young men, and to add to the discussion about what can be done to rectify these unjust conditions.

Reason for Participating: WGS 440, Seminar Women and Gender Studies

Thomas Caraher (#12)

Title: Stem Cell Research and Catholicism

Faculty Sponsor: Professor Thomas Donlin-Smith, Religious Studies

Abstract: 1. I examined the position of the Catholic Church on three forms of stem cell research: adult, embryonic, and induced pluripotency. 2. The science behind each stem cell research was researched using scientific articles and textbooks. Catholic positions on stem cell research were researched using books, encyclicals and the Catechism of the Catholic Church. 3. People have a negative view of the Catholic Church and science, and really, religion and science in general. I wanted to show that the two can coexist.

Reason for Participating: This project stems from a research project from a biomedical ethics class. I enjoyed it, and wanted to present my work.

Tyler Carr (#13)

Title: CARS Rebranding Campaign

Faculty Sponsor: Professor Sherri Baker Hamilton, Visual Communication Design

Abstract: During the Fall semester of this year, I along with one of my classmates took on the task of working with the CARS event in our Social Design course for Visual Communication Design. We were asked to design a series of templates that would be available to students to use who wish to enter a poster presentation for the event, but don't necessarily know the standards for poster layouts. Along with the templates we designed posters to announce the event and spike attention among campus. The goal of this campaign was to increase student as well as general audience participation, and raise more awareness for what CARS is all about. As our campaign went underway we eventually were given the opportunity to redesign the CARS logo and change its overall identity. My project would showcase this campaign and how the CARS identity has changed and improved.

Reason for Participating: AVCD451, Social Design

Elizabeth Carro and Nicole Charette (#14)

Title: The Most Effective Way to Clean Up Oil Spills

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence Education

Abstract: Oil spills can be catastrophic to the environment and seriously harm wildlife. In this study, we investigated the absorbing capability of various materials such as hair, cotton, bird feathers, sponges, and packaging peanuts used to clean oil spills. We tested the absorbency of each material when placed in a mixture of water and oil at

varying temperatures to determine the most efficient way to clean up the oil dependent upon water temperature.

Reason for Participating: SCI 101 & 101L, Integrated Science Inquiry and Lab

Caitlin Cassella (#15 G)

Title: Does a Pre-drawn Mandala Reduce Anxiety More Than a Creative Mandala?

Faculty Sponsor: Professor Renee van der Vennet, Creative Arts Therapy

Abstract: This research study investigated and compared the effects of completing predrawn mandalas and creative mandalas as measured by the State Anxiety Inventory (SAI). Mandalas are a common art therapy method used to reduce anxiety. Mandalas may refer to any circular form and have long been used in the arts throughout history. Compared with designs that feature hard angles and squares, which may be related to frustration and anger, rounded lines and shapes are thought to convey relaxation. While there have been many studies using a college population and many studies studying the varying effects of mandala creation, few studies have directly investigated the effects of creative (blank) mandalas compared with pre-drawn mandalas on the reduction of anxiety. Participants in this study included 26 Nazareth College graduate students. They were divided into two groups in which they each completed a baseline SAI, an anxiety induction, another SAI, the therapeutic intervention, and finally the posttest SAI. Statistically significant results indicated that both forms of mandalas are effective in reducing anxiety and that neither mandala form is more effective than the other.

Reason for Participating: CAT 532, Culm Proj Sem II Extern

Thomas Cerio (#16)

Title: Legalizing High: An Analysis of Attitudes Towards Recreational and Medical Marijuana Use.

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: This research explores how people feel about the idea of marijuana becoming legal for both medical and recreational purposes. Do people's attitudes vary by age, gender and their own drug use? This study attempts to answer this question through an online survey.

Reason for Participating: SOC444, Sociology Senior Seminar

Faiza Chappell (#17)

Title: Hillary & Benazir: Perception and Representation of Female Leadership in the United States and Pakistan

Faculty Sponsor: Professor Rachel Bailey Jones, Women and Gender Studies

Abstract: I did my research on female leadership in Pakistan and the United States, particularly looking at why Pakistan has elected a female Prime Minster while the U.S has not elected a female President. I will be doing a discourse analysis of female leaders in Pakistan and the United States through representation of self and media coverage. For my primary literary sources I will read and review the writings on Hillary Rodham Clinton and her political experiences as senator and First Lady of the U.S. prior to her election. In Pakistan, I would review Benazir Bhutto's writings and books to understand and compare her position as a leader in the east as opposed to a leader in the west trying to gain the position of the primary leader in the country. For the print and media coverage I would look at interviews of the figures mentioned previously and analyze how they portray themselves versus how the media represents them. I think it is important to look at the views and roles of gender in the east and west through a political lens because in both countries the results of their elections are a reflection on the people.

Reason for Participating: WGS440, Seminar Women and Gender Studies

Casey Cline (#18 G)

Title: Evaluation of a Web-Based Alcohol Education Prevention Course to Reduce Freshman Alcohol Incidents on a College Campus

Faculty Sponsor: Professor Diane Enerson and Professor Tim Bockes, Psychology and HESAA

Abstract: Alcohol is one of the most highly used substances among underage college students, and the effects of alcohol can be especially problematic for freshman. What can be done to stop it? Historically, institutions have attempted to combat alcohol use on campuses by developing programs and policies guided largely by conventional wisdom, tradition, or routine imitation, with very little evaluation research being done to learn what worked best and why. This study evaluated the effectiveness of utilizing a web-based online prevention education program for all incoming college freshman. The goal was to assess whether there was a decrease in alcohol incidents freshman year compared to pre-intervention years. In order to address this question the data were collected over a 6-year period via raw data from the Alcohol Wise outcome report through the Substance Abuse Program at Nazareth College and the Incident Review Log incident reports. These data were then analyzed utilizing SPSS to investigate the hypothesis through an interrupted time series, frequency graph and a bivariate

correlation. Results indicated that overall alcohol related incidents did decrease during post intervention years. However, the rate of alcohol hospital transports did not decrease. A collateral effect not expected was a reduction in marijuana related incidents for freshman following the intervention. Recommendations for requiring all freshman students to complete this web-based intervention and explore the unexpected correlation with marijuana reduction are discussed.

Reason for Participating: I would like to share the research information I have been working on with the campus community.

Stella Cota and Kelly Barrett (#19)

Title: Comparing Resources of Long Term Care for Older Adults in Belize vs. US

Faculty Sponsor: Professor Marie Bell, Department of Nursing

Abstract: The main objective of this exploratory project is to compare resources that are available to older adults in Belize vs. that in the US. We will be comparing government, insurance, finances, health practices, and social supports.

Reason for Participating: I would like to contribute my findings to educate others of Belizean culture and health practices.

Grace Crowell (#20 G)

Title: Progress Monitoring Students To Drive Instruction

Faculty Sponsor: Professor Ellen Contopidis, Inclusive Childhood Education

Abstract: With the shift to the Common Core Learning Standards and an increase in the number of high stakes tests being given to our students it is found that many teachers are plowing through the material and not taking the time to pause and check their students' understanding. For my research I used multiple methods of progress monitoring to assess my students' understanding and did not allow them to move forward until they showed mastery of the skill. The purpose of the study was to look at the effects of using progress monitoring to drive instruction. In order to collect my data I worked with three sixth grade students in the Rochester City School District to reteach a unit on ratios and proportions.

Reason for Participating: It is an agreed upon requirement for the Inclusive Childhood Teaching Fellows program.

Joshua Daniels (#21)

Title: Sometimes You Feel like a Nut: Food Allergies, Vegetarianism, and Stigma in American Culture.

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: This study explores the management of food allergies and vegetarianism as stigmatized identities. Using in-depth interviews from people who have food allergies or are vegetarians, strategies for managing stigma in social settings are identified. The findings are then related to the scholarship of stigma, conformity, deviance, accommodation, and assimilation.

Reason for Participating: SOC 444, Sociology Senior Seminar

Joshua Daniels, Anna Antonik, Brandon Leggiero, Jamela Wright, Alexis Bucklin, Anita Kirkland, Jimmy Schanck, Clement Mutambo, Misato Itakura and Johnathan Thompson (#22)

Title: Témoins de la Liberté / Witness to Freedom

Faculty Sponsor: Professor Mireille Le Breton, Foreign Languages and Literature

Abstract: We will showcase an artwork highlighting our "witness to freedom". This will include individual poems from each member of the class. The artwork exhibiting the poems is a class project, and will reflect the main themes discussed in class throughout the school year.

Reason for Participating: FRN102, Introduction to the French Language and Culture

Gabriela Dominguez (#25)

Title: Immigration and the Jewish Encounter

Faculty Sponsor: Professor Lisa Cerami, Foreign Languages and Literature

Abstract: I would like to create a poster concerning immigration of the Jewish people. I'll be researching the causation of the movement for these people in addition to how this influenced these people and those around them culturally. I will be providing this information through texts written by or about the Jewish people to grasp a better understanding from different perspectives about the Jewish culture and what might have caused the events that occurred. I will be doing this because I am interested in culture

and would like to share this information as immigration is a controversial topic, especially for the Jewish people.

Reason for Participating: LIT211, Jewish-German Culture

Tom Dwyer, Max Randolph and Morgan Ross (#26)

Title: Enhancing the Bioavailability of RAGE Inhibitors: Towards New Anti-Alzheimer's

Therapeutics

Faculty Sponsor: Professor Stephen Tajc, Chemistry

Abstract: We are doing small-molecule drug design synthesis for the inhibition of RAGE, a transmembrane protein on the blood brain barrier that has been shown to mediate amyloid-Beta peptide across the blood brain barrier.

Reason for Participating: CHM300, Independent Research

Chase Ferren (#27)

Title: Stigma of Mental Illness and Suicide in the News

Faculty Sponsor: Professor Lisa Perks, Communication and Media

Abstract: I conducted two studies, a textual analysis study and a quantitative survey study, on how the news frames mental illness and suicide, how audiences view mental illness and suicide. For the textual analysis study, I examined 4 news articles about Robin Williams' suicide. I looked for words in the article that indicate Williams had control over his actions and I looked at how often mental illness was mentioned in the articles as a contributing factor towards his death. For study two, I surveyed 45 people about their personal feelings about mental illness and suicide, and how they perceive the portrayal of mental illness and suicide in the news. These two studies demonstrate that the news media stigmatically frames mental illness and suicide, and this is recognized by the audience but does not align with the audience's personal feelings about mental illness and suicide. Someone dies from suicide in the United States every 13.3 minutes. This is a massive pandemic that we all have an obligation to shed light on. We need to be aware of what is happening so we may develop the best tools to end it.

Reason for Participating: COMM301, COMM Research Methods

Posters

Laura Gallon (#28)

Title: Gender Representations in Perfume Commercials

Faculty Sponsor: Professor Rachel Bailey Jones, Women and Gender Studies

Abstract: Most advertisements rely on embellishing the product they are trying to sell and revealing the necessity of its function, but perfume commercials cannot visually reproduce their flagrance and have to find other means of seducing potential buyers. With this in mind, perfume companies put a huge part of their budget in commercializing, and advertisers put the emphasis on the "genderedness" of perfume. My research poster will present a feminist reading of the impact of recent perfume commercials on society's evolving perception of gender as a social construction. I will base my research on textual analysis of perfume commercials (both for men and women) by the best-selling brands of 2014. I consider their success to be in part due to their strong work on advertising, which must have motivated people into remembering the name of the product and wanting to try it out. If they have this effect on people, then it suggests that either they develop values that are important to the viewers or that the viewers feel like buying it would help them redefine themselves in terms of sexuality and gender.

Reason for Participating: WGS440, Seminar Women and Gender Studies

Nick Gerbino (#29)

Title: The Plague Returns?

Faculty Sponsor: Professor Lisa Cerami, Foreign Languages and Literature

Abstract: 1. I've studied the recent plague outbreak in Madagascar. 2. I've done hours of online research, sorting through academic journals and contacting health officials. 3. I decided to study this because of the gravity of the situation. Like many diseases, the plague will not disappear. The notion that it is an "old-world" threat or only one for poorer nations to deal with is incorrect. The pneumonic plague, one that is spread through the air, is particularly deadly; needing only 24 hours to kill the host. The social factors of health in Madagascar are of the lowest quality-a pre-cursor to something far worse like what has been seen with the Ebola outbreak in West Africa. Even if this particular outbreak can be quelled effectively with minimal loss of life, the importance of the situation extends far from the tiny island. Any country lacking proper health facilities, with a weak government and weak pro-active health campaigns, along with lacking quality infrastructure, are at risk for epidemics much greater than the Ebola outbreak of 2014/2015. My study will parallel the situation in Madagascar with what we've learned from the current Ebola crisis, to hopefully prevent another catastrophic outbreak.

Reason for Participating: To explain and clarify the similarities between what causes outbreaks and what helps to stop them.

Marni Glickman (#30 G)

Title: The impacts of Skillstreaming lessons on social and academic performance in school

Faculty Sponsor: Professor Ellen Contopidis, Inclusive Childhood Education

Abstract: Research suggests that students who demonstrate social skill deficits are more likely to have difficulty with behavior, peer interaction, and academic achievement in school. It is often assumed that students have the prerequisite skills to be successful in both social and academic aspects of school. There has been an increase in the number of students entering pre-k and kindergarten classrooms that lack the social skills to have positive interaction with others, follow directions, solve problems, and participate in classroom activities. The purpose of this study was to examine the impact of implementing Skillstreaming lessons on social and academic performance in the classroom setting. This research was conducted with kindergarten students at Charles Carroll School #46 in the Rochester City School District. After collecting teacher and student generated data about student behavior in the classroom, common deficits were identified for five focus students. Based on these identified deficits, specific Skillstreaming lessons targeting these deficits were taught over the course of two months. Throughout the implementation, students' development of foundational literacy skills were progress monitored through the use of Lexia skill reports. After the delivery of Skillstreaming lessons, student progress with the identified deficits was measured through student and teacher post assessments.

Reason for Participating: Required project for the Inclusive Childhood Teaching Fellows Program

Caitlin Hasselback (#31)

Title: The Third Generation East: Attitudes Before and After the Wall

Faculty Sponsor: Professor Lisa Cerami, Foreign Languages and Literature

Abstract: The "Third Generation East" refers to the generation who was born between 1975 and 1985 in East Germany. After the fall of the wall, this generation had a unique experience as their birth country did not exist and they became a part of unified Germany. Much tension arose as the generation struggled to fit in among East and West German culture. I look at attitudes around 1989 when the wall fell and look at recent sources after 25 years of unification and see how attitudes have changed. I was in Berlin for the 25th Anniversary of the fall of the wall and will use my experiences there

as well as primary sources I gathered. In addition, I will use literature from members of the Third Generation East group. This project aims to shed light on the last generation of East Germany and to understand their unique perspective as they lived through a major change not only in German History but in World History.

Reason for Participating: GER499, German Comprehensive

Katherine Heib (#32 G)

Title: The Effects of Learning Metacognition Strategies on Student Reading Comprehension, Written Response, and Confidence

Faculty Sponsor: Professor Ellen Contopidis, Inclusive Childhood Education

Abstract: This action research study examines the effects of close reading and metacognitive strategies - questioning, visualizing, making connections, inferring, summarizing, and synthesizing - on student reading comprehension, response to reading, and reader's confidence. It was intended to increase understanding of bestpractices in literacy pedagogy. The study population was a small group of third grade students at Harris Hill Elementary in Penfield, NY. Conducted twice a week over the course of five months for thirty minutes, the small group interventions focused on teaching close reading and metacognitive reading strategies to the students, following the "I do, We do, You do" lesson sequence. Student reading level, comprehension, understanding of metacognitive strategies, and confidence was measured prior to implementing any study procedures. Performance was again measured and monitored following instruction and practice of each strategy. This was done using standardized learning assessments including Freyer Model graphic organizers, DIBELS' DAZE measure, Developmental Reading Assessment (DRA), short readings followed by multiple-choice and short-response questions, and student confidence surveys. Findings largely revealed an increase in student reading comprehension, and ability to respond to reading, likely due to a deepened understanding of specific metacognitive strategies. The students' change in confidence as readers varied depending on the metacognitive strategy taught.

Reason for Participating: Teaching Fellows for the graduate inclusive childhood education program

Sarah Heisman (#33 G)

Title: First Year Programming and Student Retention within Higher Education

Faculty Sponsor: Professor Diane Enerson and Professor Tim Bockes, Psychology and HESAA

Abstract: I have analyzed the components of First Year Programs at selected higher education institutions and compared these findings to each institutions retention rates.

Reason for Participating: Suggested by faculty

Caitlin Henderson (#34 G)

Title: Implementing Reading Comprehension Strategies to Solve Mathematical Word-Problems

Faculty Sponsor: Professor Ellen Contopidis, Inclusive Childhood Education

Abstract: Throughout the 2014-2015 academic year, I had the opportunity to take part in action-based educational research in a suburban middle school located in Rochester, NY. Throughout this time, I had the fortunate opportunity to work with a small group of sixth-grade students, who had been identified as facing academic challenges in both the content areas of mathematics and reading. This particular study was designed to analyze the impact of specific reading strategies and their ability to assist students in solving grade-level word-problems across multiple mathematical areas. Using quantitative data collection and analysis. I was able to study the academic impact of three specific reading strategies and their effects on meeting students' academic needs. Additional qualitative data was then collected, in order to gather each individual student's perception of said strategies, in correspondence with their academic areas of need. More or less, this research not only increased student learning and understanding, but also provided teacher awareness for the impact of specific strategy implementation in two of the most critical content areas in current education. Overall, as a future educator, I found this experience to be extremely rewarding and I thank all who were involved throughout the process in its entirety.

Reason for Participating: This year I am taking part in the Graduate Inclusive Childhood Fellowship Program. As a program requirement, I committed to implementing action-based research two days a week in a local suburban school in Rochester, NY.

Casey Holland (#35)

Title: Tradition and Revolution: Thomas Merton's Regenerative Vision

Faculty Sponsor: Professor Christine Bochen, Religious Studies

Abstract: Research Paper.

Reason for Participating: Presenting at a Conference

Ashley Inclema (#36)

Title: Call Me Maybe? The Role of Technology in Romantic Relationships

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: In society people in romantic relationships use technology on a daily basis. How is the technology being used for their relationship and what are their feelings about their technology use? This research examines these questions using questionnaires that gathered data about romantic relationships and the specific technologies they used in their romantic relationship.

Reason for Participating: SOC444, Sociology Senior Seminar

Cameron Johnson, Hayley Spoljaric, Andrew Cross and Kevin Denny (#37)

Title: Modifying Small Molecules to Eliminate Contaminants Found in Hydrofracking Wastwater

Faculty Sponsor: Professor Stephen Tajc, Chemistry

Abstract: Hydraulic fracturing (hydrofracking) is currently being utilized as a method for extracting natural gas from Marcellus shale deposits deep within the ground, relying heavily on the use of large amounts of freshwater for the drilling process. Major environmental concerns are regarding the dispose of flowback wastewater contaminated with excessive metals, which can be in excess of 140 billion gallons produced annually. We are currently researching small molecules that can sequester the metals found in the wastewater by means that are much more cost effective and environmentally favorable than methods currently being used. Our research group has previously focused on using dipicolinic acid (DPA), a naturally occurring small molecule, to reduce both calcium and strontium levels found in hydrofracking wastewater. Currently, we are attempting to expand the capabilities of DPA to sequester larger heavy metals. This project explores the expansion of the DPA molecule through synthetically attaching various amino acids. Our goal is to increase the water solubility of our new compounds while enhancing their ability to bind larger heavy metals in water.

Reason for Participating: CHM160, Investigations in Chemistry

Jackie Kaiser and Simone Delfyette (#38)

Title: Ripening of Bananas

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence

Education

Abstract: The goal of our project was to determine an effective way to slow the ripening of bananas. We tested a number of different methods that we found were said to slow the ripening process. These included: keeping the banana in the fridge, wrapping the stem with plastic wrap, hanging the banana, and keeping it in the dark of a drawer. We kept a control that sat on the counter, and we also left two bananas attached to one another to see if that had any effect. The bananas were all left to their respective methods for two days undisturbed and then inspected for changes in comparison to the first day. The method that led to the bananas showing the least signs of ripening inside and out was the method deemed most effective.

Reason for Participating: SCI 101 & 101L, Integrated Science Inquiry and Lab

Reilly Lagerhausen (#39)

Title: #diversity: Democracy, Difference and Cultural Citizenship in Higher Education

Faculty Sponsor: Professor Yamuna Sangarasivam, Anthropology

Abstract: Amidst the technologies of facebook, tweets, text messaging, and instagram, diversity emerges as a hashtag for institutions of higher education in their search for the hottest ways of attracting students; inviting prospective students into experiences with cultural others at home and abroad. #diversity invites us to witness the relationship between the desire for appropriating and owning cultural difference(s) and the ways that institutional whiteness is embodied in higher education. This poster presents a study of diversity as a cultural commodity that is simultaneously desired and feared in the institutional life of higher education. Students of cultural anthropology will share their findings from their ethnographic study of diversity that is informed by a set of analytical questions, which examines the intersecting experiences of democracy, difference, and cultural citizenship. We are particularly interested in examining how diversity is embodied when race, class, gender, and national identity become significant markers in the exhibition of inclusion, which in turn becomes an act of exclusion by objectifying cultural difference(s) as a commodity to acquire in the performance of "cultural competency." Additionally we will be integrating analysis of the meaning of success and the ways in which diversity in institutional life becomes a practice of compliance and document production and reproduction. Students will incorporate personal photography into the poster and analysis.

Reason for Participating: ANT444, Anthropology Senior Seminar

Ruby Lananger (#40)

Title: Modern Day Brothels? The Tilted Kilt, Hooters, and Women in the Service Industry

Faculty Sponsor: Professor Rachel Bailey Jones, Women and Gender Studies

Abstract: I am examining the impact of server uniforms, customer dynamics, and management culture on the sexualization of women's bodies in the service industry. Using the feminist focus on women's experience as an important form of knowledge, I will use my own experience, informal interviews, and observations to collect data. Based on my own experience working in the service industry and the rise of "Breastaurants", I think it's important to make visible the sexism that seems to be invisible.

Reason for Participating: WGS440, Seminar Women and Gender Studies

Mary Lawrence (#41)

Title: Heimat? : Zionism and European Imperialism

Faculty Sponsor: Professor Lisa Cerami, Foreign Languages and Literature

Abstract: This research, a project inspired by LIT 211: Jewish-German Culture, explores the ideas of home and displacement in the Jewish Zionist movement and European Imperialism, regarding literary works by Franz Kafka and André Gide.

Reason for Participating: LIT211, Jewish-German Culture

Paul Lippert (#42)

Title: Things Fall Apart: The Unravelling of Eurocentric Literary Interpretation

Faculty Sponsor: Professor Jerome Denno, English

Abstract: In this project, I researched Chinua Achebe's novel "Things Fall Apart" and researched how through the appropriation of the tragic mode and psychological realism, Achebe changed the Western literary canon by responding to the dominant Eurocentric interpretation. Thus, Achebe eliminates otherness and creates the notion of hybridity. I did this research because it is critical for the Western reader to know how Achebe's text transformed literature in the Post-Colonial world by allowing the voices of a diverse, global society to be heard.

Reason for Participating: English 200, Intro to Literary Studies CARS 2015

Katie Lohrman, Allison Smith, Melissa Scorse, Briana Newman, Beth Novak and Kristen DeMarree (#43 G)

Title: Physical Therapy Clinical Experiences in Kerala, India

Faculty Sponsor: Professor Michael Huson and Professor Elizabeth Clark, Physical Therapy

Abstract: We provided physical therapy services at a variety of locations in Kerala, India. We created a poster to showcase our experiences in poster form.

Reason for Participating: PTR73005, Selected Topics in Physical Therapy

Emily Loiodice and Sarah Forney (#44)

Title: Effect of Educational Videos in the Classroom

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence Education

Abstract: For this project, we looked into trying to find a new and creative way to teach science in city schools in a way that engages the students and makes a positive impact on their view of science. In particular, we looked at the way that solar energy can be taught in the classroom and through short educational videos. We partnered with the team at Prove your World in order to research students' misconceptions of the topic of solar energy and find different ways to overcome and explain the topic. Currently the video is in the process of being scripted and filmed, and we hope to put it out to schools for the fall of 2015.

Reason for Participating: CHM 300, Independent Research

Ethan Luta, Jacob D. Murray, Jenoy Merchant and Thomas Caraher (#45)

Title: Synthesis of Pyridine Based Compound Derivatives

Faculty Sponsor: Professor Stephen Tajc, Chemistry

Abstract: Our modern culture is highly dependent on energy resources. Currently, our fossil fuel dependency remains as the most economical resource for the foreseeable future. In recent years, the United States has pushed for cleaner energy through burning natural gas to power our electrical plants. Although natural gas is a cleaner burning fuel, there remains a significant environmental impact in acquiring these gas

reserves. Hydraulic fracturing (hydrofracking) is a relatively new method of drilling shale rock to release natural gas. Unfortunately, this method requires a substantial amount of freshwater, which becomes contaminated through the drilling process with alarming amounts of metals known as total dissolved solids. These amounts are more than 400,000 times the allowable limit for drinking water as recommended by the Environmental Protection Agency. As of now there are no effective ways of purifying this contaminated wastewater. Bioremediation may be an efficient purification method in eliminating metals from the contaminated water. Our research focuses on synthesizing derivatives of the small molecule dipicolinic acid (DPA) that we have previously shown to sequester specific metals found in hydrofracking wastewater. Our goal is to enlarge the DPA molecule to sequester larger heavy metal cations in water

Reason for Participating: CHM300, Independent Research

Brooke Mallaber (#46 G)

Title: Reflexercises: How a simple exercise program can improve handwriting

Faculty Sponsor: Professor Michelle Donahue, Physical Therapy

Abstract: A home exercise program was given to a student who was identified as having motor impairments in the classroom, including poor handwriting. The exercise program contained 2 simple exercises to help integrate a primitive reflex that was still persistent within the student per an annual assessment by the school PT. This exercise program helped to integrate this reflex in order to improve motor skills, and resulted in an improvement in handwriting.

Reason for Participating: To get feedback on this topic, as well as input from other disciplines (in order to pursue publication in a pediatric journal in the near future.)

Chelsea Mannion, Flo Braker, Jim Braker, Jay Bourne, Nancy Burns, Harriet Clifton, Lucy Dinofrio, Ken Dodgson, Brittany Donovan, Angie Sinacore, John Sinacore, Yen Tan and Eleanor Volpe (#48)

Title: Students' Perceptions of Intergenerational Education: St. John's Elders

Faculty Sponsor: Professor David W. Steitz, Gerontology

Abstract: The St. John's Collaborative for Intergenerational Learning (SCIL), a collaboration between St. John's Senior Living Communities and the Nazareth College Gerontology Program, has been creating dynamic learning experiences for Nazareth students, elders at St. John's Senior Living Communities, and the Rochester community since 2009. Coursework, intergenerational service projects, and unique learning modalities demonstrate enhanced student learning outcomes and provide opportunities

for learning at all stages of life. This poster will explore, but is not be limited to, the following points: (1) How does the transformational nature of intergenerational learning, in an inclusive learning environment, serve to change people's attitudes toward their own aging and towards older adults? (2) An exploration of the many domains of exchange in these learning environments, such as knowledge, skills, experience, and resources. The experiences created through SCIL are more than just contact with elders and the community. SCIL is learning with, and from, each other while fostering knowledge about the multi-faceted relationships between generations. This poster will showcase, through the presentations of elders from St. John's Senior Living Communities, the work that has been accomplished together through these unique learning experiences.

Reason for Participating: PSY226, Issues in Aging, Adulthood and Late Life

Nessa Mark (#49)

Title: The Effects of Fructan on the Digestive Efficiency in Mice, Musmusculus

Faculty Sponsor: Professor Brian Witz, Biology

Abstract: Fructan is considered to be a polymer of the fructose molecule and is a form of a non-digestible carbohydrate. Fructans can be found in various sources throughout our ecosystem; one of the purposes it serves is working as an anti-freeze and anti-drought mechanism in plants; it helps to preserve the plant during extreme weather conditions. A second use is in prebiotics, these molecules cannot be digested within our gastrointestinal tract by enzymes, so we must rely on our beneficial intestinal microflora to ferment these molecules. The addition of fructans to one's diet is thought to help favor the growth of beneficial microflora, aiding in the reduction of blood glucose levels, maintaining immune functions, and increasing lipid homeostasis. For my research I am investigating whether the addition of fructans to the diet of mice affects the digestive efficiency of; carbohydrates, proteins, and lipids; this was quantified by feeding mice a diet enriched with fructans and comparing the digestive efficiency of these mice with that of mice fed a normal diet.

Reason for Participating: My mentor would like me to present my research project

Alexandra McFaddin (#50 G)

Title: Error Analysis of Progress Monitoring in Elementary Mathematics

Faculty Sponsor: Professor Ellen Contopidis, Inclusive Childhood Education

Abstract: I conducted an action research project in an urban elementary school in Rochester, NY. My focus group consisted of six, 4th grade students who were at the

Tier 2 level academically. I worked with these students one-on-one, twice a week to provide immediate intervention of the Common Core Mathematics Curriculum. I used error analysis of data from student class-work, homework, exit tickets, and module tests to drive my instruction each week and focused on concepts that were causing gaps in understanding. Additionally, I created progress monitoring worksheets based on problems from the Common Core Curriculum that we practiced together during the week prior; I administered these to my students every two weeks. These worksheets provided additional data to determine whether the interventions were effective and were impacting student growth. The purpose of my research was to determine whether immediate intervention of math misconceptions result in Tier 2 students moving to Tier 1. I chose this specific action research project because of my interest in mathematics instruction and my desire to improve my knowledge and understanding of the mathematics standards as well as improve my students' success in mathematics.

Reason for Participating: I am participating as an agreed-upon requirement of the Teaching Fellows program to showcase the research I conducted as part of the requirements for my program.

Maurice Mills (#51)

Title: Synthetic Approach Towards Attaching a Pyridine Based Cation Receptor to Solid Support

Faculty Sponsor: Professor Stephen Tajc, Chemistry and Biochemistry

Abstract: The Marcellus Shale region is known for the vast supply of natural gas imbedded in the shale rock. Although the whereabouts and quantity of natural gas have been known for decades, it is only recently that hydraulic fracturing made accessing this natural resource a reality. Unfortunately, hydraulic fracturing is not without a significant impact on the environment and the quality of the Marcellus Shale freshwater supply. Drilling in the Marcellus Shale requires millions of gallons of freshwater. Using this method of drilling produces massive amounts of wastewater containing excessive amounts of cations that cannot be disposed of using traditional methods of wastewater purification. This investigation will explore attaching a known pyridine based cation binder on a solid surface to be used as a renewable cation scavenger. My research focuses on using synthetic chemistry to develop an appropriate linker for attaching the pyridine based molecule to a solid support.

Reason for Participating: CHM 300, Independent Research

Julia Mondo (#52)

Title: Siblings After Divorce: Relative Strangers or Closest Kin?

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: Researchers have shown interest in the impact of divorce on the relationship between parents and children. But what is the effect on the other relationships that are involved in the divorce? Using a questionnaire, this research compares the relationship between siblings from divorced and married families.

Reason for Participating: SOC444, Sociology Senior Seminar

Jacob Moose (#54)

Title: Characterization of metal cation binding to pyridine-based compounds in aqueous solution

Faculty Sponsor: Professor Stephen Tajc, Chemistry

Abstract: There is a need for novel techniques for removing metal cations from wastewater such as contaminated hydraulic fracturing flowback water. Certain small molecules have the ability to bind cations in aqueous solution. 2,6-dipicolinic acid (DPA) is a small molecule known to bind calcium cations in aqueous solution, but no documentation of DPA binding to other heavy metal cations in aqueous solution is reported. We have characterized the binding of DPA to calcium, magnesium, strontium, and barium using NMR titration in PBS buffer. In addition, we have shown a strong correlation of our binding experiments to the ability of DPA to successfully extract these cations from contaminated water.

Reason for Participating: CHM 300, Independent Research

Jacob Murray (#55)

Title: Stabilization of Catalytic Tin Species With Phosphine Ligands

Faculty Sponsor: Professor Richard Hartmann, Chemistry

Abstract: Tin has been found to have catalytic effects in many processes. The compounds SnX4 (X=Cl,Br,l) are very reactive species which hydrolyze/oxidize readily. To stabilize the catalyst, a bis-phosphine ligand can be bound to the SnX4 species. Several free ligands (bis(diphenylphosphino)phenylenediamine and bis(diphenylphosphino)aminoethyl) and their resin bound analogues were coupled with Sn(IV) species and their ability to catalyze the esterification of oleic acid was tested. Results suggest that the phosphine couples to tin while retaining some catalytic activity.

Reason for Participating: Research

Maggie Norton and Dan Morse (#57)

Title: Fruit and Vegetable Battery

Faculty Sponsor: Professor Kelly Hutchinson-Anderson, Chemistry and Adolescence

Education

Abstract: Within this project we investigated the possibility of making a working battery out of different fruits and vegetables. We used a Lemon, Tomato, Apple, Potato, Cucumber and a Pickle as well as Copper, Steel, and Zinc wires to determine which fruit or vegetable and metal electrodes produced the highest voltage and current. The fruits and vegetables were also connected in series and parallel to determine the voltage and current. We also investigated if any of the fruits or vegetables individually or connected in series or parallel could light a small LED bulb.

Reason for Participating: SCI 101 & 101L, Integrated Science Inquiry and Lab

Abbey Notter, Stephanie Montinarelli and Kristie Duong (#58)

Title: Social Communication Club at Nazareth

Faculty Sponsor: Professor Mary Kay Bradley, Communication Sciences and

Disorders

Abstract: We co-taught two groups of adolescents, a school based group and a community based group, to improve on their conflict resolution skills. The adolescents had diagnoses of Autism Spectrum Disorder and/or a Learning Disability which made communication, especially in moments of conflict, challenging. We focused on identifying and resolving conflict with peers and taught skills and strategies to help the students learn how to take perspective, become self-aware of their feelings and reactions, and vocabulary surrounding the topic. Each week, we created a learning objective that contributed to our final goal of improving pro-social conflict resolution skills. We created engaging activities related to the learning objective such as role-play, guiding questions, large and small group discussions and visual organization such as tree maps. We supported the students by differentiating and individualizing instruction to support their needs. Each of us applied for this placement because we wanted the experience of working with adolescents with disabilities. We wanted to expand our knowledge and expertise in this particular area of study and use our passion of speech pathology to help these individuals improve their communication.

Reason for Participating: We wanted to share what we learned from our clinical experience working with students with disabilities.

Kayla Page and Chris Redmond (#59)

Title: Expression of recombinant intimin and translocated intimin receptor proteins in E. coli cells

Faculty Sponsor: Professor Lynn O'Brien, Chemistry and Biochemistry

Abstract: Enteropathogenic and enterohermorrhagic E. coli (EPEC and EHEC) cells that attach to human intestinal epithelium result in the formation of effacing lesions, which is the precursor of intestinal cell membrane disruption and diarrhea in infected individuals. Two proteins, intimin and the translocated intimin receptor (TIR), play an essential role in attachment to intestinal epithelial cells. E. coli first expresses TIR, which is translocated to the host cell via a type-III secretion system. TIR then becomes immobilized in the intestinal epithelium with its intimin binding domain exposed on the intestinal cell surface. Intimin, from the E. coli surface, then binds TIR and attaches the E. coli cell to the intestinal epithelium, which leads to lesion formation. These types of infections can take up to 24 hours to diagnose and there has not yet been a small molecule developed to speed up this diagnostic process, prevent further infection, and allow sooner initiation of treatment. The initial expression of recombinant TIR and Intimin proteins and their purification will be discussed.

Reason for Participating: CHM300, Independent Research

Danielle Pearce (#60 G)

Title: Testing the Knowledge and Education of Art Therapists about the LGBT+ Community

Faculty Sponsor: Professor Renee van der Vennet, Creative Arts Therapy

Abstract: I sent out a survey to 32 colleges and universities across the U.S. that offered American Art Therapy Association-approved art therapy graduate programs. This survey asked recently graduated art therapists or art therapy majors graduating in the coming cycle about their experiences with the LGBT+ community, their education about it, and some very basic knowledge about the community. As a future art therapist who belongs to the LGBT+ community myself, it is incredibly important to me that I am educated on this topic. I find myself in therapy explaining things related to this community to my therapist, and in my classes I rarely find my classmates and I having an engaged discussion about it. As therapists it is likely we will all encounter an individual in this community at some point in our careers, and I feel we are obligated to have some base knowledge about each kind of client we encounter. I used this study to find the hole in the education of art therapists in the hope that I will be able to help develop programs and requirements to meet this educational need.

Reason for Participating: I want to spread the information I am gathering in my thesis both to bring awareness to it and to help inspire discussions and other work around it.

Meaghan Porter and Andre' Richardson (#61)

Title: Extracting metal (II) cations from aqueous solution using dipicolinic acid

Faculty Sponsor: Professor Stephen Tajc, Chemistry & Biochemistry

Abstract: Waste water handling from hydraulic fracturing sites has become a large issue in Marcellus Shale. In order to recover natural gas buried underground, industry uses pressurized water to fracture shale rock and collect desired natural gas. The shale rock that is fractured during this process contains high concentrations of cations that are then mixed with pure water from drilling, producing flowback waste water. 8-15 millions of gallons of flowback needs to be disposed of. Currently, waste water treatment plants cannot handle the high levels of cations thus bioremediation of waste water is necessary. The purpose of this research is to remove the metal (II) cations by introducing dipicolinic acid derivatives that will aid in bioremediation of waste water.

Reason for Participating: CHM 160, Investigations in Chemistry & CHM 300, Independent Research

Lori Posato, Taylor Burgio, Kristyn Eich, Megan Gentile and Hannah Prince (#47)

Title: Students' Perceptions of Intergenerational Education: Nazareth College Students

Faculty Sponsor: Professor David W. Steitz, Gerontology

Abstract: The St. John's Collaborative for Intergenerational Learning (SCIL), a collaboration between St. John's Senior Living Communities and the Nazareth College Gerontology Program, has been creating dynamic learning experiences for Nazareth students, elders at St. John's Senior Living Communities, and the Rochester community since 2009. Coursework, intergenerational service projects, and unique learning modalities demonstrate enhanced student learning outcomes and provide opportunities for learning at all stages of life. This poster will explore, but is not be limited to, the following points: (1) How does the transformational nature of intergenerational learning, in an inclusive learning environment, serve to change people's attitudes toward their own aging and towards older adults? (2) An exploration of the many domains of exchange in these learning environments, such as knowledge, skills, experience, and resources. The experiences created through SCIL are more than just contact with elders and the community. SCIL is learning with, and from, each other while fostering knowledge about the multi-faceted relationships between generations. This poster will

showcase, through the presentations of students from Nazareth College, the work that has been accomplished together through these unique learning experiences.

Reason for Participating: PSY226, Issues in Aging, Adulthood and Late Life

Colleen Prendergast, Samantha April, Kacie Bednarcyk, Connor Delaney and Rachel Hayes (#63 G)

Title: Interprofessional Education & Practice "Literacy in Motion"

Faculty Sponsor: Professor Mary Kay Bradley, Communication Sciences and Disorders

Abstract: 1) What did you do? Three physical therapy students and two speechlanguage pathology graduate students worked to develop their own interdisciplinary knowledge and skills. Working collaboratively, they provided developmental stimulation activities to a small group of preschool children at Trinity Montessori. The focus of the sessions was fostering speech-language, social and motor development, using children's literature as a main medium for instruction. 2) How did you do it? Each week, the Nazareth students chose books that reflected the children's interests and ability. The lessons were crafted to ensure the children found the experience intimate and enjoyable, had several opportunities to participate. The story books contained strong story lines, the text was lively and rhythmical, and the illustrations supported and extended the text. After the story was read, the children engaged in extension activities that focused on building language and motor skills. 3) Why did you do it? The purpose of the group was to serve as an inter-professional experience for the Nazareth clinicians. The Nazareth students were introduced to the core values and competencies necessary to be an effective team. Through dialog, experience, and reflection, the clinicians identified and resolved several challenges teams commonly encounter while engaged in inter-professional practice.

Reason for Participating: Collaborative Learning Activity

Anne Pysnik (#64)

Title: Hydroponic Removal of Bisphenol A Using Phytoremediation

Faculty Sponsor: Professor Stephanie Zamule, Biology

Abstract: This research investigated the ability of bean plants to remove the toxicant Bisphenol A (BPA) from hydroponic solutions. BPA has been implicated as an endocrine disruptor that can disturb normal metabolic functions, such as reproduction, making its presence in the environment dangerous to the successful functioning of both plants and animals. Phytoremediation is a cost effective and minimally invasive method

of using plants to remove dangerous chemicals, like BPA, from contaminated environments. In an effort to determine if bean plants could be used for BPA phytoremediation, students evaluated the ability of the plants to remove BPA from contaminated aqueous media. Over a period of three days attempted remediation, the concentration of BPA in the hydroponic solutions was measured to determine if plants were removing the toxicant. Results indicated that the bean plants were successful at removing BPA from the contaminated solutions.

Reason for Participating: Want to display research to the college community.

Alexandra Riccio (#65 G)

Title: Skillstreaming and Kindergarten Student's English Language Arts development

Faculty Sponsor: Professor Ellen Contopidis, Inclusive Childhood Education

Abstract: Using the program Skillstreaming in Early Childhood, I provided social emotional interventions to five Kindergarten students in an urban charter school in Rochester, NY. I used both student assessments and teacher assessments, along with observations of the student, to measure student progress with prosocial skills. Using this data, I analyzed the correlation between Kindergarten student's progress with essential prosocial skills and their ELA development. Skillstreaming equips students with the tools to more successfully identify, understand, and manage their feelings. It also helps students build healthier peer and adult relationships. Students who have successful relationships in school are more motivated and interested in school. The purpose of this research is to examine if social emotional interventions impact Kindergarten students ELA development.

Reason for Participating: I am a part of the Teaching Fellowship Program

Kailey Ritch (#68 G)

Title: Deconstructing Math Word Problems

Faculty Sponsor: Professor Ellen Contopidis, Inclusive Childhood Education

Abstract: My action research looked at the connection between reading and math in a fourth grade classroom. My research question was, does the implementation of reading strategies when working on math word problems effect student achievement in math? I used organizers to help students deconstruct the language of the math word problem before attempting to solve it. Through progress monitoring and error analysis, I collected data around the students' abilities to extract important information, plan how to solve, solve and check the reasonableness of the answer. Math has always been an area of interest for me. In my experiences working with students, the language aspect of math,

specifically in word problems, affects student's understanding they need to solve the problem. Therefore, I was interested in helping students see the connection between reading and math.

Reason for Participating: I am doing this to present my research from my graduate program.

Nina Rossi and Alyson Raco (#69)

Title: Apples to Apples

Faculty Sponsor: Professor Jennifer Leigh, Business Administration

Abstract: Apples to Apples is an interactive game that allows further help on test or quiz prep. The game was played by two different classes and the results of the quizzes were compared to previous year's results based on the same quiz. We conducted this to see if this is a way to help students prepare for tests or quizzes.

Reason for Participating: MGT 486, Independent Study

Matt Normandin, Guytchi Louis, Katelyn Gilbert, Maria Torres, Ryan Morano, Amel Taouzinet, Sabata Harley and Rahel Belete (#70)

Title: Today, We Are All French

Faculty Sponsor: Professor Mireille Le Breton, Foreign Languages and Literatures

Abstract: This semester, we have focused on the thematic concepts of Liberty, Freedom, Equality and Strength. This project is a compilation of poetry pieces from every member of the class, displaying in a cohesive manner how "today, we are all French". Our class was very impacted by the shootings at Charlie Hebdo (January 7-9, 2015), which led us to reflect upon the freedom of expression, and the unity of the world citizens. Inspired by the "voices" of the student poets, we have decided to read aloud our poetry while presenting on this subject, in a prezi or poster format. This is our way to be a "witness to freedom" and to show our support for France.

Reason for Participating: FRN204, France and the Francophone World

Hannah Schuetz (#71)

Title: Who Rocks the Cradle of Civilization? Intersections of Educational and Political Philosophy in the Classroom

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Faculty Sponsor: Professor Olena Prokopovych, History and Political Science

Abstract: Where does authority in education originate? What advantages and disadvantages are there in the structure of education in 21st century America? How does the classroom represent a microcosm of civil society? This poster will contain the highlights of a research paper which connects the ideas of political philosophers such as Rousseau and educational philosophers such as Dewey, and use their ideas to analyze current issues in education reform.

Reason for Participating: The research paper is a requirement for class, but I have chosen to present at CARS to share my findings with the larger community.

Lindsay Sherling, Morgan Sommers and Haley Annal (#73)

Title: Deaf Eduction and Empowerment in Ethiopia

Faculty Sponsor: Professor Paula Brown, Communication Sciences and Disorders

Abstract: Nazareth College Communication Sciences and Disorders students traveled to Ethiopia with a team of interprofessionals to promote Deaf education and empowerment. We worked with three different schools in Ethiopia, specifically in the Deaf resource rooms. A three-day camp was conducted for over forty Deaf Ethiopian students ranging in age and language level. During the camp, we created various language enrichment activities that aimed to enhance the student's language, critical thinking skills, and creative expression. Our presence at the schools gave the student's a new perspective on life, allowing them to take pride in themselves and the work that they do. Due to the lack of resources, many Deaf individuals do not receive the education and services that are needed. The goal of the trip was to provide supplemental educational opportunities for students and professionals in Deaf Education in Ethiopia while honoring and supporting Ethiopian Sign Language, indigenous language, and the richness of Ethiopian cultures.

Reason for Participating: To showcase the work we did in Ethiopia and to inspire others to participate in service learning opportunities.

Nandini Singh (#75)

Title: 1H NMR Analysis of the Methylation of Oleic Acid Catalyzed by Tin (II) Bromide in the Presence of a Cosolvent

Faculty Sponsor: Professor Richard Hartmann, Chemistry

Abstract: Biodiesel made from waste cooking oil is a popular substitute for petroleum diesel. However, due to its high content of free fatty acids (FFA), waste oil must undergo an initial acid catalyzed esterification. This process typically employs concentrated H2SO4 but we chose a milder Lewis acid, tin (II) bromide, as our catalyst. This project focuses on investigating the different cosolvents that can be used with methanol for this esterification reaction. The purpose of using a cosolvent is to be able to control the kinetics of this reaction by regulating the concentrations of methanol and tin (II) bromide (in a 1:1 ratio). Previous kinetic studies have been based on just methanol being the main solvent resulting in the inability to regulate its amount with that of the catalyst. Preliminary data suggests that dichloromethane (DCM) can be used as a cosolvent for the production of methyl ester, allowing us to regulate the amounts of methanol and catalyst for the kinetics of the reaction with respective to time and temperature. Also, DCM was found to dampen the reaction and decrease the rate of the reaction, helping us to analyze the first-order kinetics for this reaction. Current studies that are taking place are focusing on the kinetics of this esterification reaction using DCM as cosolvent with tin (II) bromide as catalyst, at various temperatures and simultaneously we are also exploring other potential candidates as cosolvents for this reaction like tetrahydrofuran. This poster will present our interpretation of the data collected using a cosolvent species like DCM with methanol and how it affects the kinetics of this reaction.

Reason for Participating: CHM400, Advance Chem Research

Claire Sobraske (#76)

Title: Dipicolinic acid with metal (II) cations as a nutrient source for soil bacteria

Faculty Sponsor: Professor Stephen Tajc, Chemistry and Biochemistry

Abstract: Hydraulic fracturing is an efficient way to recover natural gas from rock formations beneath the surface of the ground. However, it involves the injection of highly pressurized water containing chemicals including heavy metal cations into the ground, producing millions of gallons of hazardous wastewater that cannot be reused. It has been suggested that pyridine-2,6-dicarboxylic acid, also known as dipicolinic acid (DPA), which is produced by the spores of Bacillus subtilis, is able to chelate to the metal cations that are present in the hydrofracking wastewater. This work focuses on the ability of soil bacteria to utilize these DPA-metal2+ complexes as a nutrient source, with major focus being on the question of whether these bacteria are metabolizing and eliminating these complexes from the water, therefore effectively working towards the bioremediation of the wastewater from hydraulic fracturing.

Reason for Participating: CHM 300, Independent Research

Posters

Meleana Spera (#77)

Title: I or ME: Does it make a difference?

Faculty Sponsor: Professor Mary Ann Bush, Psychology

Abstract: Well-being has been shown in the past to be related to transcendence and autonomy (Beaumont, 2009; Stein & Grant, 2014; Dollinger, 1996; Ng, 2014). The current study examines these variables through the lens of William James's conception of the self (the I and the Me), resulting in an interpretation of transcendence and autonomy as variables predictive of James's I, and in turn of well-being. Results produced an adjusted r2 of .50 [F(2,55) = 26.28, p<.000].

Reason for Participating: My project is the result of the independent study I participated in last semester. We hoped that there would be a way to present the results to the Nazareth community, and CARS is a great opportunity to do so.

Jenny Stolt (#78)

Title: Pit-bullied: Comparing Claims about Pit-bulls between Defenders and Critics

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: Pit-bulls are at the center of considerable controversy in America with varying arguments on the good and the bad of the breed. What similarities and/or differences in claims exist about pit-bulls that are made by people who view them positively versus those who view them negatively? This research explores different claims about pit-bulls and how they compare and contrast to different outlets by analyzing narratives from local and national news and rescue organizations. Social construction and racial profiling are used to explain the claims made about the breed.

Reason for Participating: SOC444, Sociology Senior Seminar

Brooke Sullivan (#79)

Title: Bare-Ass or Bad-Ass? A Content Analysis of Women on Sports Illustrated Covers.

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: Women in America are often visually degraded in society and at times are still portrayed differently when it comes to photography compared to men. This research examines how men and women are portrayed on Sports Illustrated magazine covers over time through a content analysis of March covers from 1954 until 2015.

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Reason for Participating: SOC444, Sociology Senior Seminar

Jonathan Thompson (#81)

Title: Leveling Iraq: Looting and the ISIL Organization

Faculty Sponsor: Professor Timothy Kneeland, History

Abstract: This research project utilized primary and secondary sources to create a historical and anthropological narrative detailing the ISIL organization's involvement in the black antiquities trade. Along with this, special consideration was given to destruction in Nimrud, Ninevah, and other sites. Given ISIL's rise to national status, determining how they fund their operations is crucial to stopping the source of Islamism in the Middle East.

Reason for Participating: In order to educate both campus and public communities on the ISIL organization and the importance of preserving culture during conflict.

Taylor Thompson (#82)

Title: Dietary Efficiency of Probiotic Supplemented Mice

Faculty Sponsor: Professor Brian Witz, Biology

Abstract: The research was conducted using 6 male mice, each given 3 grams of food combined with 10% probiotics. The probiotics used are from the genera Lactobacillus and Bacteroides. The mice were fed once a day with the probiotic supplemented food, and fecal samples were collected before the feed was distributed each day. The control food and fecal samples were also collected from the same six mice for 7 days. Bomb calorimetry was used to observe if a change in calorie concentration existed between the control and supplemented fecal samples.

Reason for Participating: BIO452, Biology Research

Hayden Warren (#83)

Title: The Influence of Punk Rock on the Feminist Punk & Queercore Movements

Faculty Sponsor: Professor Rachel Bailey Jones, Women and Gender Studies

Abstract: How did the political punk rock movement of the mid-80s influence the eventual rise of the feminist punk and queercore movements? In the late 70s, punk rock

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was developing on the streets of NYC and LA. Founded on principles of societal unrest and angst, punk was first thought of as being loud, rebellious music. However with artists such as the Descendants, Black Flag and the Dead Kennedys, the music gradually moved in a more political direction. The rise of feminist punk was primarily driven by the original Riot Grrrl, Kathleen Hanna, and during its explosion in the 90s, Queercore had an almost inseparable connection to the Riot Grrrl movement. However, where feminist punk is said to have traditional hardcore punk roots, Queercore is also considered by some to be a response to homophobia in the hardcore punk scene. In my project I will explore not only the subjective history of feminist and queercore punk, but also analyze lyrical content. In doing this, I will show examples of queer-feminist antisocial accounts of punk music like expressions of negativity and anger. I will also argue that queer-feminist punk rock as such can be understood as a rich and relevant political movement.

Reason for Participating: WGS440, Women and Gender Studies

Robert Warren, Katelyn Gilbert, Maria Torres, Sabata Harley, Morgan Johnson, Guytchi Louis, Hannah Schuetz, Jessica Manhardt, Ryan Morano, Rebecca Silliman, Rachel Zacharek, Briar-Rose Murphy, Simone Macirella, Matt Normandin, Kailin Frank and Abby Krysztofowicz (#84)

Title: Ecrire pour la paix / Writing for Peace

Faculty Sponsor: Professor Mireille Le Breton, Foreign Languages and Literatures

Abstract: Two groups of students are going to showcase two different projects: 1. Poster: We will design a poster exhibiting our ideals about freedom, and combining the poems we will have written. 2. Artwork: we will combine a mixture of poetry and imagery to create a quilt-like collage of art. We were inspired by current events, and are deeply hurt by the lack of freedom in our world. In another language, we thus want to express our own thoughts, beliefs, and ideals, by seizing the opportunity CARS offers.

Reason for Participating: FRN202, Adv Comp and Conversation II

Tessa Wheatley (#85 G)

Title: A Comprehensive Review: Trends, Themes and Best Practice Guidelines in Social Communication Evaluation

Faculty Sponsor: Professor Dawn Vogler-Elias, Communication Sciences and Disorders

Abstract: As part of my Master's Thesis in the Speech-Language Pathology program, I conducted a comprehensive review of the current literature on social communication assessment.

Reason for Participating: This poster presentation is a part of my Master's Thesis in my program. In my program, a Master's Thesis is optional. CARS is another opportunity to engage in discussion and share my individual research with other members of our community.

Debbra Williams-Fernaays (#86)

Title: Dear God Where are the Children?

Faculty Sponsor: Professor Timothy Kneeland, History

Abstract: I chose to research the Aberfan Disaster as part of a research requirement for my class on the history of Natural Disasters. This disaster which claimed the lives of 116 children and 28 adults happened in Aberfan which is a small mining community in South Wales in the United Kingdom. I did not only want to research the Disaster itself but the aftermath of the disaster and its consequences on the community and beyond. My research into this subject relied heavily on primary sources with minimal use of secondary sources. The primary source that I used to explore the disaster and its aftermath were newspaper stories from both sides of the Atlantic as I was trying to understand public perception of the disaster. I was able to use British and American sources as this disaster made worldwide news. My reason for choosing this particular disaster was a vague, distant, childhood memory listening to my father and his brother's stories of growing up in their mining community in South Wales. My bias is I am from a Welsh mining family, and I am the first generation to not work or rely on the coal mines for a source of income.

Reason for Participating: HIS413, History of Natural Disaster

Makenzie Williams, Meghan Maloney, Allsion Tepas, Olivia Derleth and Larissa Sabatose (#87 G)

Title: Ayurvedic Medicine

Faculty Sponsor: Professor Elizabeth Clark, Physical Therapy

Abstract: Over the past 2014-2015 winter break a group of Nazareth DPT students traveled to Kerala, India and learned about the ancient form of Ayurvedic medicine. To share what we have learned we have put a poster presentation together to share with the Nazareth community.

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Reason for Participating: Share with the Nazareth community our experiences while in India.

Artifacts

Hannah Borriello

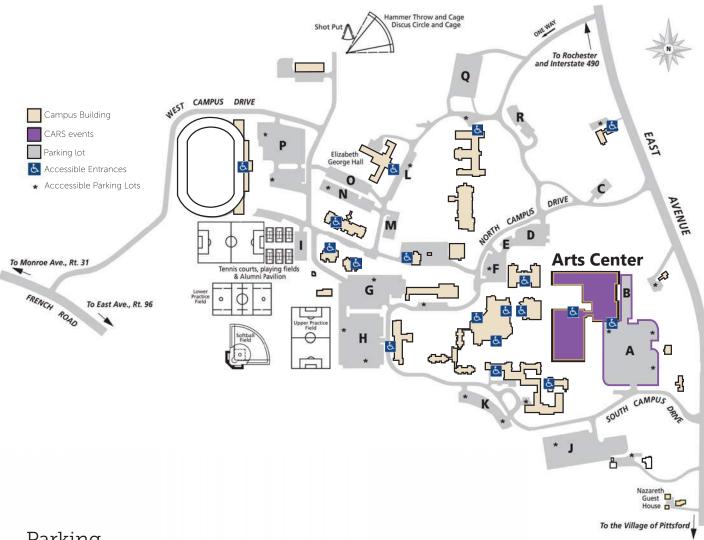
Title: Rahel Levin

Faculty Sponsor: Professor Lisa Cerami, Foreign Languages and Literature

Abstract: The film shows the life of Rahel Levin, a Jewish German woman, living in the 18th century. She is most famous for her salon, in Berlin, as well as her letters correspondence to many famous writers, including David Veit and Ludwig Robert.

Reason for Participating: LIT.Q2110, Jewish-German Culture

Campus Map



Parking

- Visitors are asked to park in designated "visitor" areas or in lots A and B.
- Parking on campus roadways and grass areas is strictly prohibited.





