

NAZARETH COLLEGE



CARS 2020

Creative Activity and
Research Showcase



SPRING 2020

NAZ.EDU/RESEARCH • NAZ.EDU/CARS • #NAZCARS20

Intentionally left blank

Introduction

We are excited to host the ninth annual (and first ever virtual) CARS (Creative Activity and Research Showcase) event, which showcases the achievements of Nazareth students. In total, CARS 2020 will showcase 227 projects presented by over 440 students who will display their work in a variety of formats. Over 65 faculty members served as sponsors for these projects.

It is especially gratifying to celebrate our students at this time. It is a reminder that we have many reasons for celebration at Nazareth even in extraordinarily difficult times.

As I approach retirement and reflect on my years at Naz, CARS stands out as a real highlight. The CARS celebration reveals the remarkable breadth and depth of the academic activities available to undergraduate and graduate students at Nazareth, ranging from scientific research to theater performances. It also underscores the value of a Nazareth education in which faculty and students work collaboratively on the pursuit of learning and discovery.

I hope you are as impressed as I am with the many achievements of our students. Let us look forward to celebrating on campus next year.

Sincerely,



Daan Braveman
President, Nazareth College

Share Your Experience

One of the most exciting aspects of doing research and creative work is sharing one's work with others. We invite you to engage with CARS participants throughout this event by asking thoughtful questions about their work, by celebrating their accomplishments with them, and by sharing highlights of the event with your friends, family members, fellow students, and colleagues.

Just like presenting one's research or performing can sometimes be nerve-wrecking at first, so can asking someone, particularly someone you don't know, about their work. If that's you, we've got you covered! If you feel unsure about how to start a conversation with a participant about what they are presenting, you can find our handy "[RSI Life Hack: Asking Great Questions at a Conference](#)" guide on the [CARS website](#). Check it out for tips on how to ask presenters engaging questions that help you learn and help them further share all of their hard work with others.

Thank you!

As hosts of the annual Creative Activity and Research Showcase, the Office of Research, Scholarship, and Innovation would like to thank our volunteers who have given their time to serve on the planning committee. We would also like to thank all participating faculty, staff, and students. We appreciate the commitment of both the volunteers and the participants to CARS and acknowledge that CARS would not exist without the support of the Nazareth College community.

CARS 2020 Committee

Michelle Donahue – *Physical Therapy*

Catherine Doyle – *Library*

Diane Enerson – *Psychology and Higher Education Student Affairs Administration*

Francesca Gentile – *English and Communication*

Grant Gutheil – *Psychology*

Katie Hjelmars – *Research, Scholarship, and Innovation/CARS Graduate Assistant*

Kelly Hutchinson – *Chemistry and Biochemistry*

Mary Maher – *Nursing*

Debra Mathewson – *Research, Scholarship, and Innovation*

Kimberly McGann – *Sociology and Anthropology*

Samantha Nolte-Yupari – *Art and Design*

Jessica Slentz – *Research, Scholarship, and Innovation*

Stephen Tajc – *Chemistry and Biochemistry*

Octavio Vazquez – *Music*

Edward Wiltse – *English and Communication*

Index

<i>Core Milestone Experience (CME)</i>	11
Donovan Enriquez.....	11
Taia Euceda.....	11
Emily Horab.....	11
Holly Luke.....	12
Kristen Prohaska.....	12
Haley Schoelerman.....	13
<i>Debate Panel</i>	14
Debating the Climate Change 2020.....	14
<i>Honors Capstone</i>	15
Emily Brutski.....	15
Linnae Corgan.....	15
Sarah Mieczkowski.....	16
Katherine Saslawsky.....	17
Noah Sauve.....	17
<i>Interactive Creative Experiences</i>	19
Carmen Sapp, Thomas Cuyler, Luis Mateo, Julia Kajdas, Helima Muniyakayanza, Danielle Tracy, Emily Horab, Ritsel Decena, Dono Enriquez, Nicole Bansbach, Jordyn Williams.....	19
<i>Paper Presentations</i>	20
Sophia Alesi (Panel #2).....	20
Emily Aman (Panel #5).....	20
Emily Aman, Linnae Corgan, Rachel Daly, Cameron Perez, Maria Rodriguez (Panel #7)	21
Zoey Baird (Panel #5).....	21
Katelin Benini (Panel #6).....	22

Meghan Brooks (Panel #3)	22
Angela Bryant (Panel #5)	23
Alexia Canarelli (Panel #11)	24
Brendon Caroselli (Panel #15)	24
Samantha Claffey (Panel #6)	25
Amanda Cohen (Panel #14)	25
Gabriella Corasaniti (Panel #12)	25
Matt Corona, Zander Pryor, Brian Miller, Nejra Mivvic, Evan Isenberg, Alex Winkler, Isaac Nelson, Connor Mann, Jake Costa, Teig Balistere, Connor McCabe, Sara Heaton (Panel #8)	26
Dana Dale (Panel #12)	26
Rachel Daly (Panel #7)	27
Alexis Davis (Panel #7)	27
Ambika Elliott (Panel #4)	28
Meghan Gamache (Panel #14)	28
Alex Garcia (Panel #3)	28
Emily George (Panel #13)	29
Natalie Gismondi (Panel #13)	29
Anna Goings (Panel #12)	30
Willow Greer (Panel #13)	30
Lauren Guilfoil (Panel #12)	30
Anna Guinan (Panel #11)	31
Briana Hanson (Panel #6)	31
Natalie Hike (Panel #14)	32
Kaitlyn Horswell, Kayli Krossber, Tahime Menelas, Holly Luke (Panel #9)	32
Cecilia Hoskins (Panel #15)	33
Kayleigh Hotaling (Panel #2)	33
Madelyn Houck (Panel #3)	34
Tori Hughes (Panel #6)	34
Amanda Hutteman (Panel #14)	35
Caitlyn Joslin (Panel #1)	35
Megan Kipp (Panel #15)	36
Emma Longo (Panel #15)	36
Rayna Mandara (Panel #10)	37

Christian Marrero (Panel #4).....	37
Natalie Mignemi (Panel #10)	38
Giovanni Minicucci (Panel #3).....	38
Jessica Nussbaumer (Panel #2).....	39
Amber Oberlender (Panel #1)	39
Alexis Ohman (Panel #1)	40
Erin Potter (Panel #14).....	40
Julia Price (Panel #2)	40
Sienna Prieto (Panel #4)	41
Jordan Rabe (Panel #11).....	42
Lily Redman (Panel #11)	42
Amanda Rice (Panel #4).....	42
Julia Smith (Panel #10)	43
Lindsay Spencer (Panel #13).....	43
Rachel Spezio (Panel #12)	44
Maria Staehr (Panel #6).....	44
Hannah Thompson (Panel #4).....	45
Performances	46
Chaplin: The Musical	46
Gender Roles through Dance and Visual Art	46
Giving Language a Hand: Cued Song Performance	46
Performance and Collaboration	47
Sonata in C Minor for Flute and Piano.....	47
Poster Presentations	49
Amy Aiken (#1)	49
Aiyasha Aljaafari (#2G)	49
Emily Allen (#3)	50
Carolyn Anderson, Kellen Boyles, Cody Antonini (#4).....	50
Gianna Arcuri, Matt Visca (#5).....	50
Andrea Auer, Kayla Allen, Shea Hewitt, Elissa Kucinsky (#6G).....	51
Gabrielle Barcomb, Julia Mclaughlin, Chris Moore (#7)	51
Jessica Barden, Felicity Love, Arianna Scamurra (#8G)	52
Alyssa Belcastro (#9).....	53

John Beyer (#10)	53
Sara Bode (#11)	54
Max Borrelli (#12)	54
Amya Brice (#13)	55
Matthew Brotsch (#14G)	55
Michael Brown (#15)	56
Charlotte Buechi, Michelle Patton, Deanna Bolduc, Cassie Dupre, Meghan Mendola, Ben Lyon (#16)	56
Vy Bui (#17)	57
Benjamin Butler, Bridget Luce (#18)	58
Benjamin Butler, Tenaya Chaney, Samantha Druce, Olivia Guerrette, Meredith Rasey (#19)	58
Dilan Campbell (#20)	59
Lily Caron, Alyssa Gould, Hannah Meli, Madison Clark, Emily Anne Shechter (#21)	59
Ruying Chen (#22G)	60
Shengwen Chen (#23G)	60
Amanda Conaway (#24)	61
Mariana Cong (#25)	61
Linnae Corgan (#26)	62
Rachel Daly (#27)	62
Casey Davis, Stephen Foster (#28G)	63
Caroline Dennis (#29)	63
Kaitlyn Dobbertin (#30)	64
Jacob Dougall, Madisyn Marks, Hannah Smith (#31)	64
Mark Dunkelberg, Connor McCabe, Rukshana Giliani (#32)	65
Mitchell Duvall, Abby Manning, Megan Griffin (#33)	65
Danica Eckert (#34)	66
Lindsie Farrance, Jose Solis, Lucas Driscoll, Walker Denton, Sarah Mieskowski (#35)	66
Lindsay Fenner (#36)	67
Elizabeth Ferrara, Patrice Edwards, Edward Lewis, Katherine Nesbitt (#37)	67
Olivia Figiel (#38)	68
Frank Gaffney, Danica Aquitania (#39)	68
Hanan Gahi (#40G)	69
Annalyse Greider (#41)	69

Nicasio Gristina, Marc Diaz, Gabriel Gostin, Nicholas Hartwell, Mitchell Senecal (#42)	70
Xiao Han, Jinnan Liu, Xiaofan Liu (#43)	70
Morgan Hand (#44)	71
Laura Helda (#45G)	72
Sabrina Herrera, Morgan Kelly, Katie O'Dell (#46G)	72
Aubrey Hillman (#47)	73
Emily Horab (#48)	73
Brendan Houle (#49)	74
Daniel Howard (#50)	74
Michaela Jarvis, Alexander Pryor, Cameryn Bugman, Adriaan deKramer (#51)	75
Bridget Kalish (#52)	75
Kellie Kaminski (#53)	76
Aydan Karakus, Nurdan Karakus, Yeter Olmez (#54)	76
Michael Kerxhalli (#55)	77
Melena Kopf (#56)	77
Celine Kristoff (#57)	78
Aditya Kunwar (#58G)	78
Reilly Landino (#59)	79
Alex LaPoint, Joseph Lanzafame, Kaitlyn Hansen, Zach Fink, Ryanne Olsen (#60G)	79
Rhys Levesque, Sean Payrot (#61)	80
Natalie L'Hommedieu (#62)	81
Xiang Li (#63G)	81
Ally Livesey (#64)	82
Katelyn Loewenguth (#65)	82
Shaina Louis, Izabelle Martinez, Sierra Taylor, Thomas Cuyler Jr. (#66)	83
Vivian Lucas (#67)	83
Ben Lyon, Allison Vidro, Hannah Hullihen, Annabelle Carney, Maria D Cresce, Jessica Granchelli (#68)	84
Chengbi Lyu (#69G)	85
Guangwei Ma (#70G)	85
Meagan Maher, Mariana Cong (#71)	85
Meagan Maher, Andrew Leahey, Hannah Kuper (#72)	86
Morgan Mahoney (#73)	86
Drew McNerney, Joseph Fisher, and Own Kuhns (#74)	87

Alexandra Meyer, Julia Marino (#75G).....	87
Kelly Miller, Janee Greenidge, Kathleen Donlin-Smith (#76G).....	88
Victoria Miller (#77)	88
Maddison Moore (#78)	89
Ryan Morehouse, Noah Sauve (#79).....	89
Mariel Mustello (#80).....	90
Vinh (Aaron) Nguyen, Michael Beckwith, Andrea Drysdale, Brandon Sproul (#81)	90
Brandon O'Brien, Colin McElligott, Josh Brown, Brain Wilkin (#82).....	91
Chiara Osborne (#83).....	91
Alexandria Peck, Cassandra Dupre (#84).....	92
Owen Penoyer, Kevin Hussey, Griffin Avery, Sean Hallice (#85).....	92
Mary Perlee (#86G).....	93
Maria Petosa, Emma Cuffney, Dana Dale, Rebekah Ebersole (#87)	93
Sophie Popiel, Caroline Winiecki, Brandi Rogers, Andrew Lembaris (#88).....	94
Jiayi Qian (#89G).....	94
Meredith Ramin, Will Perine, Nicole Delbono, and Joshua Theodoro (#90).....	95
Kirsten Reese (#91).....	95
Lauren Resetarits, Hannah Darr (#92G).....	96
Allison Risewick (#93).....	96
Jasmeliz Rivera, Marilyn Buck, Sophie DiCarlo, Dawn Baglin (#94G).....	97
Emmanuel Rojas (#95).....	97
Bryanna Roos (#96)	98
Haylee Senay, Elizabeth Murphy, Emily Prescott (#97G)	99
Emily Anne Shechter (#98)	99
Abby Shepard (#99)	100
Caroline Sherwood (#100)	100
Ryann Shultz (#101).....	100
Shuying Sun (#102G)	101
Kaitlyn Sutton (#103).....	102
Molly Sweeney (#104)	102
Molly Swidrak (#105).....	103
Kristin Thayer (#106).....	103
Matthew Townsend, Brendan Gacek (#107).....	104

Dauriani Urena (#108)	104
Rebecca Victory, Leah Brown, Shannon Johansen, Mackenzie Swinehart (#109G)	105
Allison Vidro, Hannah Hullihen, Annabelle Carney, Maria Di Cresce, Jessica Granchelli, Ben Lyon (#110)	105
Nicole Walid (#111)	106
Kerrigan Walters (#112)	107
Clarissa Weis (#113)	107
Lauren Whitney (#114)	108
Meghan Willette, Lauren Nichols (#115)	108
Alex Winkler, Parker Lawrence, Michael Tilford, Sara Heaton (#116).....	109
Eric Woodin, Connor Mann, Dylann Hogan, Amari Marshall (#117)	109
Jennifer Wozniak (#118)	110
Yunting Xia (#119G)	110
Siyang Yang (#120G).....	111
Julin Zhang (#121G).....	111
<i>SOARS Summer Research</i>	112
Cassandra Dupre, Meghan Mendola.....	112
Celine Kristoff.....	112
Tessa Miller, Abbey Zych	113
Rebecca Victory, Leah Brown, Shannon Johansen, Mackenzie Swinehart (G).....	113
<i>Evening Graduate Poster Presentations.....</i>	115
Liza Beardsley, Caroline Hyman (#501).....	115
Jessica Byrnes (#502).....	115
Heather Carr (#503).....	116
Sarah Conroy, Alexandra Kiley, Nicole Pucci, Erin States, Emma Sturm (#504).....	116
Caitlin Court (#505)	117
Erin Cregan (#506)	117
Sarah Dugas (#507).....	118
Taylor Durocher, Katherine Bochnewetch, Christopher Finley, Christopher Rettig (#508)	118
Brittany Heffler (#509).....	119
Katie Hjelmar (#510).....	119
Kelsey Jones (#511).....	120
Sarah LeNoir, Sara Stamer (#512).....	121

Hannah McCann, Sarah Dugas, Caitlin Francz, Erin Cregan, Katia Shepard, Jessica Byrnes, Kelliann Ryu, Lila Alsheheri, Caroline Hyman, Mohammed Assiri (#513).....	121
Kiera McGurn (#514)	122
Jess Ophardt (#515).....	122
Rukhsana Palmer (#516).....	123
Emily Randolph (#517).....	123
Naomi Raymond (#518).....	124
Lizzy Scherer (#519).....	125
Eileen Shea (#520).....	125
Lindsey Shear (#521)	126
Lisa Sipes (#522).....	126
Emily Soeder, Robert Weymers, Samantha Goble, Karly Keil, Tyler Difrancesco, Manvinder Singh (#523).....	127
Alyssa Vigianni (#524)	127
Jordan Weinstein, Carson Haney, Vicki Clinch, Victoria Calandriello, Lauren Vigue, Megan Corey, Gabrielle Palumbo (#525)	128
Kristen Wozniak (#526).....	128
School of Education Graduate Capstone.....	130
Monica McCracken.....	130
Stephanie Mongelli	130
Morgan Sommers.....	130
Precious Taylor	131

Please note:

1. *All information is included, without editing, as submitted by student participants.*
2. *(G) following the poster number denotes graduate student participating during the day program.*
3. *Posters numbered 500 and above indicate participation in the evening graduate program.*

Core Milestone Experience (CME)

Donovan Enriquez

Title: What is culture?

Faculty Sponsor: Professor Kelly Hutchinson, Chemistry and Biochemistry

Abstract: 1. Created a video montage showcasing different elements of human culture and exploring the meaning and impact culture has on individuals. 2. Compiled videos from my life, the news, and my study abroad experience. 3. To reflect on my experience abroad and the ways my own culture has influenced me.

Motivation for Participating: Requirement for CME 050, Core Milestone Experience

Taia Euceda

Title: Bringing Yoga to Life

Faculty Sponsor: Professor Kelly Hutchinson, Chemistry and Biochemistry

Abstract: 1) I created a book on the impacts/effects yoga has on the body, mind and soul. 2) I used MiXBOOK to piece together a picture book with descriptions of those impacts and benefits. 3) I think it is very important to be aware of the body, mind and soul as they are all connected in some way and are a part of our well-being. If you are not mentally or physically well, you cannot partake in spiritual practice, for example. I was interested in a person's overall well-being and the importance the body, mind and soul had over that.

Motivation for Participating: Requirement for CME 050, Core Milestone Experience

Experiential Learning Pathway: Noncredit Bearing Community Engagement

Emily Horab

Title: What Does it Mean to Feel Included?

Core Milestone Experience

Faculty Sponsor: Professor Maria Hopkins, Education

Abstract: For my CME project, I decided to create a website to answer the question, "what does it mean to feel included?" I chose to create a website so that I was able to answer this question in a variety of ways.

Motivation for Participating: By presenting my work at CARS, I hope to gain any kind of feedback from those that take a look at my project.

Experiential Learning Pathway: Service Learning

Holly Luke

Title: Sharing Meaningful Experiences with Graphic Novels

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

Abstract: I created a comic strip to showcase why graphic novels can be used to share experiences in a deep and meaningful way. I've always been interested in graphic novels, so I thought this would be the perfect platform to show how we can use them in this way.

Motivation for Participating: Requirement for CME 050, Core Milestone Experience

Kristen Prohaska

Title: Taking Action Against Injustice

Faculty Sponsor: Professor Otieno Kisiara, Sociology and Anthropology

Abstract: As my CME project, I have created a Google site that displays insights I have gathered from my IS courses as well as interviews with members of the Nazareth community and current events analysis, all addressing my enduring question, "how can we take action against injustices in our surrounding world?" I spent about six weeks compiling information from my completed courses, conducting interviews, and doing online research regarding injustices that occur around us and actions being taken to

combat them. This idea was inspired by the extreme divisions that occur across our country and the world regarding equality among groups of people, discrimination, climate change, violence, and war, and by the privilege I have been given at Naz to engage in open dialogue and express thoughts about modern issues of injustice and how we might address them going into the future. Throughout these course experiences, I felt that if more people engaged in this kind of thinking and participation, the world might be changed in some way for the better.

Motivation for Participating: Requirement for CME050, Core Milestone Experience

Haley Schoelerman

Title: The Effects of PTSD on Healthcare

Faculty Sponsor: Professor Ilka Datig, Instruction and Outreach

Abstract: I am discussing the effects of PTSD on healthcare through a PowerPoint presentation because I have a desire to work with veterans in the future as a Physical Therapist and want to be well informed on the various aspects involved in the physical and mental health, as well as how they influence one another.

Motivation for Participating: Requirement for CME050, Core Milestone Experience

Debate Panel

Debating the Climate Change 2020

Students: Not determined

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry and Biochemistry

Abstract: Why do we still disagree about climate change? We have entered the 21st century with a scientific consensus on the issues of climate change but we are yet to achieve the consensus on social beliefs on climate change. The debate extends far beyond scientific and technical facts and is much deeper than discussion about efficient, economical and ethically acceptable ways to power the world. Like almost all environmental issues, it is a debate over culture, politics, ideology, governance and fear of change.

Motivation for Participating: Students will learn how to communicate to the public the complex scientific issues with purpose to educate the broader audience about critical need for environmentally sensitive energy solutions. Students will unveil the most pressing issues prompted by climate change and 21st century environmental priorities.

Honors Capstone

Emily Brutski

Title: New Potentials for Balance Rehabilitation: How Commercial Exergaming Technologies Effect Patients with Parkinson's Disease

Faculty Sponsor: Professor Rochelle Ruffer, Business and Leadership

Abstract: This Honors Program thesis investigates the utilization of exercise gaming technologies, such as the Nintendo Wii and Microsoft XBOX 360 Kinect, for a potentially newer and more exciting and/or motivating way to approach balance rehabilitation for clinically healthy older adults (with prescribed balance therapy) and older adults with Parkinson's Disease. This topic was chosen because of an interest in the possible futures of rehabilitation, as well as the benefits of reducing fall risk and Fear of Falling, increasing neurological/psychosocial health by stimulating the brain enhancing activity engagement/involvement, and improving the overall quality of life for older adults and people with Parkinson's Disease. An action research methodological design was used to obtain various peer-reviewed journal sources and some popular press sources. In the literature review, the author synthesizes and compares the sources to help propose a "dream" research design that was tailored to expand upon previous research on safety, feasibility, and efficacy of this new rehabilitation technique. The findings show that exergaming is safe and feasible, but it works best when working in adjunct with conventional techniques. All sources concluded that more research is necessary before the implementation of exergaming technology in rehabilitation settings.

Motivation for Participating: Requirement for HON 499, Honors Defense

Linnae Corgan

Title: The Mind-Body Connection: Seeking Unity Among Multiple Disciplines

Faculty Sponsor: Professor Rochelle Ruffer, Business and Leadership

Abstract: The mind-body connection is a concept that has been explored throughout history. Philosophers, somatic practitioners, dance kinesiologists, dance/movement therapists, healthcare specialists, neuroscientists, communication experts, and various religions each have their own use of the mind-body connection. However, in each of these disciplines the concept is approached in a different way and each has its own

Honors Capstone

vocabulary. Through comparative research, I have examined each discipline's unique approach to the mind-body connection. I first determined that each was a genuine use of the mind-body connection, and then compared how each discipline uses it and what terms they use. The purpose of this research was to synthesize and unify the mind-body connection as it appears scattered throughout many disciplines. The secondary purpose was to clearly show the benefits of utilizing the mind-body connection and further prove its importance. I was able to conclude that each of these disciplines is utilizing unique benefits of the mind-body connection and, while they may be using different terminology, each discipline is proving that the mind and body were meant to be united as one monistic entity.

Motivation for Participating: Requirement for HON 499, Honors Defense

Sarah Mieczkowski

Title: Raising Another's Child: A Look into China's Domestic and International Adoption Policies and their Effects on Child Welfare

Faculty Sponsor: Professor Rochelle Ruffer, Business and Leadership

Abstract: This paper will discuss the history of domestic and international adoption in post-Mao China. China's One-Child Policy created a population of abandoned children and opened up a market for outbound adoption. Government policies, societal expectations, and economic standing have been determinants in shaping the child welfare system in China. Despite changes in these factors over the last sixty years, institutionalized care in China has remained relatively the same. This paper discusses how history has shaped China's actions towards adoption. Since outbound adoption began from China, the population of children living in orphanages has changed drastically, with the majority of those children now being primarily those with special needs. By looking at domestic policies, international policies, and overall economic growth in China, this paper will analyze China's stance on adoption. With China's growing relevance in most international markets, and the obvious importance of children's well-being, this paper will serve as an introduction to the topic of adoption within China and offer suggestions for future action.

Motivation for Participating: Requirement for HON 499, Honors Defense

Katherine Saslawsky

Title: Reaching the Unreachable: Music Therapy with Disorders of Consciousness

Faculty Sponsor: Professor Rochelle Ruffer, Business and Leadership

Abstract: Disorders of consciousness (DOC) is a collective term referring to a spectrum of diagnoses of impaired consciousness. Diagnoses under the umbrella of DOC include coma, vegetative state/unresponsive wakefulness syndrome (VS/UWS), and minimally conscious state (MCS). There is currently no standardized treatment for DOC, but there are many treatment methods that have been proven effective. Music therapy is a treatment approach for a wide range of diagnoses, including DOC. After examining the research, it has been found that music therapy can produce remarkable results with patients with DOC as compared to more traditional treatment approaches, such as pharmacological treatment and rehabilitative therapies. Additionally, concerns with the lack of widespread use of music therapy with patients with DOC will be examined through a biomedical ethics lens through the use of advocacy research.

Motivation for Participating: Requirement for HON499, Honors Defense

Noah Sauve

Title: The Miracles of Medicine: Where We Are Going Based On Where We Have Been

Faculty Sponsor: Professor Rochelle Ruffer, Business and Leadership

Abstract: One of the most significant aspects of modern society is the availability and use of pharmaceuticals, small molecule drugs being particularly useful and common. With these compounds we are able to treat and even cure pains, diseases, and other physiological ailments that would have once been crippling or lethal. Prior to modern medicine, practices, and regulations, most pharmaceuticals would vary greatly in efficacy and safety due to a lack of well-defined procedures and standards. Even in the present day, the field of drug design is continuing to advance and change with society, to meet new demands and regulations. It is important, therefore, to understand how drug design and use is being affected by the constantly changing nature of pharmaceuticals. This thesis will explore the history of drugs/drug like compounds, including developments in computer technology, laboratory equipment, government

Honors Capstone

regulations (FDA), and drug design/pharmaceutical thought (early and recent). The information collected will then be reviewed for common trends to derive how technology, scientific knowledge, and government standards have historically affected pharmaceuticals. From these trends, potential changes to the drug design process and to available pharmaceuticals that may occur in the future will be discussed.

Motivation for Participating: Requirement for HON499, Honors Defense

Interactive Creative Experiences

Carmen Sapp, Thomas Cuyler, Luis Mateo, Julia Kajdas, Helima Munyakayanza, Danielle Tracy, Emily Horab, Ritsel Decena, Dono Enriquez, Nicole Bansbach, Jordyn Williams

Title: Social and Emotional Learning with a Purpose

Faculty Sponsor: Professor Marie Watkins, Community Youth Development

Abstract: Interactive engagement with hands on activities to demonstrate the value and practices of social and emotional learning

Motivation for Participating: Requirement for CSD 499, Integrative Portfolio

Experiential Learning Pathway: Service Learning, Mentored Creative Activity

Paper Presentations

Sophia Alesi (Panel #2)

Title: The Asylum Seeking Process in Trump's USA

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: For this project I compiled research that I found and will be adding information that I learn while in El Paso and Juarez over spring break. I used data bases, news articles and podcasts on the topic to write about the current state of the asylum seeking process. I chose to write about this topic because it's very important to me. The ability to seek asylum and safe living conditions is a human rights and should be treated as such. The suffering that we have created and perpetuated for people in Latin America makes me feel sick.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Emily Aman (Panel #5)

Title: Magical Realism and History in *El Reino de Este Mundo* by Alejo Carpentier

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: I will analyze magical realism as a literary tool to portray socio-political events in the Americas, such as the abolishment of slavery in Haiti in 1804. I will draw from the book *El Reino de Este Mundo* by Cuban author Alejo Carpentier and other sources to describe the historical reality of the abolishment of slavery in Haiti following the Haitian Revolution and discuss the value of magical realism as a way to illustrate such historical events and their implications. While reading *El Reino de Este Mundo* for class, I was fascinated by the role of magical realism in describing the historical events of the Haitian Revolution and wanted to explore the theme more extensively.

Motivation for Participating: Requirement for SPN 400, Spanish Senior Seminar

**Emily Aman, Linnae Corgan, Rachel Daly, Cameron Perez, Maria Rodriguez
(Panel #7)**

Title: What is Community Dance?

Faculty Sponsor: Professor Allison Bohman, Dance

Abstract: Throughout the semester, we have been working in the community teaching dance to various populations. We have brought dance experiences to senior citizens at Pittsford Senior Center, high schoolers at The Aquinas Institute of Rochester and young dancers at Dance Emporium in Avon, NY. From ages 3 to 93, we have been helping people to express themselves through dance. Through these different demographics, we have learned the importance of bringing dance into the community and we look forward to sharing this at CARS. This presentation will show the benefits of community dance through videos of our class working in the community.

Motivation for Participating: Requirement for DAN 400, Performance and Collaboration

Zoey Baird (Panel #5)

Title: Conquista de la chica: The Female Body as Territory of Colonization

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: The female body is a recurrent topic, constantly present, under intense debate. Throughout history, women have been the subjects of torture, oppression, scrutiny, and countless other injustices. The book *El Reino de Este Mundo* (1949) by Cuban writer Alejo Carpentier, depicts a story of colonization within the Caribbean and one of the main focuses of this work is the enforced slavery of African persons. A recurring theme throughout the text is the oppression of women, both white and African slaves. In my CARS presentation, I will discuss the female body as a step of conquest and colonization, referring specifically to this novel because Latin America is my primary area of study. The book *El Reino de Este Mundo* (1949) provides an interesting perspective on this topic due to the role of "lo real maravilloso" in relation to the depiction of the female's body. Over the course of this presentation, I will discuss "lo real maravilloso" and its role in relation to the female body being used as a landmark in the colonization of Latin America.

Motivation for Participating: Requirement for SPN 400, Spanish Senior Seminar

Experiential Learning Pathway: International Experiences

Katelin Benini (Panel #6)

Title: Human Rights and Dehumanization Presented in *Pedro y el Capitan* by Mario Benedetti and Today in Society

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: Oftentimes, anyone who has thought about or has already migrated here to the United States, has their own American Dream. However, what all of these Dreams' have in common is the fact that they all have access to the same human rights that makes one American. However, when they migrate here, they are treated with disrespect, prejudice, and discrimination in ways that are dehumanizing. In *Pedro y el Capitan* by Mario Benedetti, the manipulation of human rights and torture are beautifully yet sadly intertwined together that we still see yet today, especially for those who are immigrants. Throughout the paper, the writer will focus on the relationship between human rights and torture within both the play and today in society. Acknowledging these connections clearly defines the importance of necessary change for us to have a successful and meaningful tomorrow. The writer has read *Pedro y el Capitan* and will acknowledge the play accurately in order to identify punishment, torture, and dehumanization within the play and today in society.

Motivation for Participating: Requirement for SPN 400, Spanish Senior Seminar

Meghan Brooks (Panel #3)

Title: Power and Prejudice: Oral vs. Alphabetic Literacy in Peruvian Quechua Communities

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: Stemming from my scholarly interest in languages and the power dynamics created within them, my goal in this research project is to investigate the complex relationship between oral and alphabetic literacies in the Peruvian Quechua language. There are approximately 5,000,000 people who identify as Quechua in Peru today,

living in rural communities as well as migrating and establishing lives in urban environments; this accounts for around 22% of the country's total population ("Perú: Perfil Sociodemográfico 2017, Informe Nacional"). Though the Peruvian government recognizes Quechua as an official language along with Spanish ("Lenguas Originarias de Perú"), the dominance of colonial institutions and practices has meant that Quechua speakers in Peru face "the stigmatization of the so-called 'illiterate' as unintelligent, uneducated, ignorant people" (De La Piedra 110). This paper argues the importance of recognizing Quechua language practices through a lens of multiple literacies, looking at alphabetic and oral literacies in the contexts of hegemonic language structures that marginalize indigenous languages.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Angela Bryant (Panel #5)

Title: How has History Made us Accustomed to the Slave Mentality?

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: In Latin American history, along with the United States' history, find that slavery has caused: social injustice, a society accustomed to inequalities that still today resemble slavery social structure in society, yet today in the global world there is still an urge to fight for freedom. Today's world's economic system is based on labor for low payment, it leaves many minorities in the United States in the periphery of economy (Spivak), along with those equally impoverished in Latin America and forced to work long hours with a continuous system of being tied into labor. It seems to me like history has made us all accustomed to the idea that enslaving others is a persistent pulsing in our societies. The text, *El Reino de Este Mundo* (1949) by Cuban writer Alejo Carpentier, exemplifies the way in which those who were enslaved by French colonizers in Haiti during the 19th century used their religion voodoo to start a movement that called for freedom and yet, former slaves reproduced the same oppressing system exert on their bodies by the Europeans with others once they took the power in Haiti. In my research I will specifically look at how there is a continuous cycle that keeps those in the margins of power at edge, how voodoo helped the slaves to rebel against the colonizers, and how once in power the former slaves reproduced the same slavery mentality enforced by their colonizers.

Motivation for Participating: Requirement for SPN 400, Spanish Senior Seminar

Alexia Canarelli (Panel #11)

Title: Enhancing Medicare Access to Healthcare Services

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I wrote a persuasive paper to advocate for Medicare access to audiology services.

Motivation for Participating: Requirement for CSD438, Aural Rehabilitation

Brendon Caroselli (Panel #15)

Title: *Afro-Blue; Exploring the West African Roots in American Music*

Faculty Sponsor: Professor Kristen Shiner-McGuire, Music

Abstract: "Afro-blue" is most commonly known as a popular song which has struck a place somewhere between a jazz standard and a contemporary American traditional. Jazz musicians know it from John Coltrane's virtuosic rendition, singers are familiar with Dianne Reeve's cover of it, R&B lovers know it from Erykah Badu's recent soulful version, rockers were turned onto it from Derek Trucks' energetic recording, and electronic music fans know it from DJ Borgore's dubstep remix of it. Something about this song has allowed it to thrive since its initial recording nearly 60 years ago, as it has propelled itself into nearly every tributary of America's musical culture. This presentation will analyze transcriptions of the original song, inquire deeply into its Cuban and West African roots, and explore some of the most popular contemporary (post 1959) versions of this song. This inquiry reveals a deep history of music and culture that spans hundreds of years and thousands of miles.

Motivation for Participating: I am hoping to gain presentation experience as well as reaction to this topic and the research involved.

Samantha Claffey (Panel #6)

Title: Human Rights

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: There have been so many discussions and disputes over time about human rights: What are they? Are they being violated? Do these change over time? And who does this affect? These are some of the questions I plan to address in my research with reference to the theater play, *Pedro y el Capitán* (1979) by Uruguayan author Mario Bendetti. In my analysis I will explore Bendetti's proposal in terms of how human rights or lack thereof has had an impact on Latin American societies that endured dictatorships.

Motivation for Participating: Requirement for SPN 400, Spanish Senior Seminar

Amanda Cohen (Panel #14)

Title: Protecting Graduate Education in CSD

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I will be showcasing an essay I wrote about a current advocacy issue in CSD. My paper covers protecting graduate education in the CSD field. I wrote this paper and am participating in CARS as part of a class requirement.

Motivation for Participating: Requirement for CSD 438 Aural Rehabilitation

Gabriella Corasaniti (Panel #12)

Title: Promoting Workforce Diversity

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I am going to present on promoting workforce diversity. I researched the topic and figured out the problem, solution, benefits and values. I did this because

Paper Presentations

diversity in the workforce is very important for helping different racial and ethnic groups in many relevant fields of study.

Motivation for Participating: Requirement for CSD438, Aural Rehabilitation

Matt Corona, Zander Pryor, Brian Miller, Nejra Mivvic, Evan Isenberg, Alex Winkler, Isaac Nelson, Connor Mann, Jake Costa, Teig Balistere, Connor McCabe, Sara Heaton (Panel #8)

Title: Environmental Economics Map Presentations

Faculty Sponsor: Professor Joseph Daboll-Lavoie, Economics

Abstract: As a part of our class, we examined state water data using mapping software in order to investigate a multitude of our water use questions. Each student has produced a series of maps which tell a story about the water use in their respective state. We did this project in order to gain skills in presenting geographic data as well as learn how water is used across the country

Motivation for Participating: We hope to encourage others to work with presenting visual data and share the skills that we have learned.

Dana Dale (Panel #12)

Title: Enhancing Access to Telehealth Services

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: For our class, Aural Rehabilitation, we were asked to write a persuasive paper to be shared at CARS and with a local legislature addressing a advocacy concern in the field of speech-language pathology and audiology.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Rachel Daly (Panel #7)

Title: The Intersection of Dance and Social Work

Faculty Sponsor: Professor Mariko Yamada, Theatre and Dance

Abstract: This paper explores research looking at the intersection of social work and dance on a micro, mezzo, and macro level. It synthesizes existing research beyond just the field of dance therapy. Both professions begin with self-understanding, self-reflection, and self-expression. Through both verbal and non-verbal forms of communication, professionals navigate through agencies and communities to share their knowledge and expertise in their fields. This research also includes how both dancers and social workers interact with politics through advocacy and social justice.

Motivation for Participating: I hope to gain better understanding of the two fields I'm going into. I also hope to shed light on the basis of both fields and show that it's possible to combine two professions, even when they seem extremely different on the outside.

Alexis Davis (Panel #7)

Title: Marie Chouinard and Combatting the Ideal Female Body in Dance

Faculty Sponsor: Professor Mariko Yamada, Theatre and Dance

Abstract: I have written a paper on Marie Chouinard, a famous Canadian choreographer that is well known for her commitment to working against feeding into the male gaze theory and the ideal body in modern dance. A modern dance world deserves modern thoughts about what bodies can dance, and Chouinard is a forerunner in this movement.

Motivation for Participating: I would like to show how applicable dance and choreography is to modern-day issues, and to educate others on a topic they may not know about.

Paper Presentations

Ambika Elliott (Panel #4)

Title: Social Dynamics of Transracial International Adoption Into the United States

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: This project analyzes trends of international adoption into the United States in the 21st century. I will be showcasing how child adoptions in the United States compare to how other countries carry out transnational adoptions. My comparison of statistics reported by peer-reviewed scholarly sources will reveal legal and social disparities among different cultures. I chose to research this topic because it relates to my personal life experiences being an adopted child from India. Additionally, this subject unveils cultural norms and differences within different global societies which is crucial to understand to some degree in order to be a valuable world citizen.

Motivation for Participating: I hope to gain confidence in presenting academic research in a professional setting as well as develop the proper skills to conduct thorough investigation on a topic.

Meghan Gamache (Panel #14)

Title: Protecting Graduate Education in CSD

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I researched protecting graduate education in CSD in order to write a persuasive paper in favor of the bill H.R. 4674, which improves access and affordability to higher education students studying to become speech-language pathologists and audiologists. I will then present my advocacy issue to a local legislator or staff member as part of a class requirement.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Alex Garcia (Panel #3)

Title: The History of Reggaeton

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: For my project I researched the history of reggeaton, a very popular style of music in based out of Latin America and Spain. Reggeaton is very influential in Spanish speakers' lives. It is also a fairly new style of music that comes from Puerto Rico and has been made popular by Daddy Yankee and Don Omar. I primarily used scholarly journal articles for facts on it, but in my free time is listen to reggae ton everyday. I did it because it is a big part in my life and I know this form of music unites many different people.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Emily George (Panel #13)

Title: Enhancing access to telehealth services

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: People understanding why we should advocate to our government officials the importance of making telehealth services accessible to people via covered by medicaid.

Motivation for Participating: Requirement for CSD 438 Aural Rehabilitation

Natalie Gismondi (Panel #13)

Title: Persuasive Paper regarding the Enhancement of Speech and Hearing services via Telehealth

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I wrote a persuasive paper about enhancing Speech and Hearing services via Telehealth. In order to do this, I researched and found articles relating to this topic. I also used websites such as ASHA to find information due to the fact that my topic is one of ASHA's advocacy issues for 2020. I did this because I am a Communication and Sciences Disorders Major and advocacy for services is extremely important for my major

Paper Presentations

and in general. I also am currently in an Aural Rehabilitation class and we have learned how important advocacy for services is.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Anna Goings (Panel #12)

Title: Advocacy Project Promoting Workforce Diversity

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: A paper that argues in support of promoting workforce diversity.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Willow Greer (Panel #13)

Title: Telehealth and Audiology

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: This is a persuasive advocacy paper that addresses the topic of Audiology Telehealth services. This paper was written as a part of the CSD undergraduate class Aural Rehabilitation

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Lauren Guilfoil (Panel #12)

Title: Promoting Workforce Diversity

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I wrote a research paper on how to promote workforce diversity. I did this because it is important to expose people to as many different cultures and ideals as possible so that we may become better and well-rounded human beings.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitations

Experiential Learning Pathway: Mentored Research

Anna Guinan (Panel #11)

Title: Enhancing Medicare access to audiology services

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I researched the coverage of audiology services by medicare. I found research articles by medicare and audiologists. It is important to advocate for the needs of a client with hearing loss.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Briana Hanson (Panel #6)

Title: "Modern Machismo: An empowered Feminist Approach to Patriarchal Standards"

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: The project I would like to showcase is my research paper from my Spanish senior seminar. It is an analysis of the space society holds for women in contemporary Mexico. In my work I analyze Mexican playwright Sabina Berman's "Entre Villa y una mujer desnuda" (1993). Berman's work is known for addressing issues surrounding gender roles, and more specifically the female space within those roles. This play shows the dynamic between a man and woman in contemporary Mexican society and how her empowerment pushes back on the patriarchal standards and residual national values the Mexican revolution left behind. This play is a reflection on the toxic masculinity at the core of Mexican identity and subverts the machista legacy. Berman's work is relevant in the larger context of female gender roles and the constant battle for a place in society other than that dictated by the patriarchy and modern-day global economy. It has become even more imperative to open up discussions surrounding gender roles

Paper Presentations

today. It is not only important for Mexicans gender roles, but for global representation of women as well.

Motivation for Participating: Requirement for SPN 400, Spanish Senior Seminar

Natalie Hike (Panel #14)

Title: Protecting Graduate Education in CSD

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: Wrote a persuasive paper on "Protecting Graduate Education in CSD"

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Kaitlyn Horswell, Kayli Krossber, Tahime Menelas, Holly Luke (Panel #9)

Title: Giving a Voice to Marginalized Groups Through Resistance Literature

Faculty Sponsor: Professor Suhail Islam, English

Abstract: While taking Resistance Literature, we gained a deeper understanding and appreciation for the importance of giving a voice to marginalized groups. We will each present a condensed version of our final papers for this class, with topics ranging from the multiple layers of disempowerment women face in already oppressed groups, to the stigmatization transgender individuals encounter across cultures. Through our work, we hope to bring awareness to the often-ignored experiences of women, people of color, victims of colonization, and other outcasts of society. These groups have been systematically ignored by our education system, to the detriment not only of those whom these stories belong to, but also to those who miss out on learning from the "others" of society.

Motivation for Participating: We hope to bring more awareness to the stories of marginalized groups, while also learning from audience members who might bring more insight to the discussion through the Q&A session following our presentations.

Cecilia Hoskins (Panel #15)

Title: Postpartum OCD and its Treatment

Faculty Sponsor: Professor Leanne Charlesworth, Social Work

Abstract: The featured paper includes a discussion on postpartum OCD, the experience of depressive and anxious symptoms in mothers following the birth of their children. I researched what the etiology and symptoms look like in this subset of illness. I also researched possible treatments for this illness sub-type which, unfortunately not much research has been done in this area yet. However, it can be shown that time-intensive cognitive behavioral therapy is quite an effective treatment for pOCD rather than treatment as usual. I wrote this paper as a requirement for my research methods class in social work but I chose this topic as an area of interest for myself and to bring awareness to this population of women.

Motivation for Participating: Requirement for SWK 352, Social Work Research Methods

Kayleigh Hotaling (Panel #2)

Title: "An Inside Look at the Dehumanization of Immigrants Seeking Asylum at the U.S. and Mexico Border"

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: Throughout my paper, I plan to focus on the immigration crisis at the US and Mexican Border. In recent years, U.S government policies in 2017 have initiated the separation of families at the border. Children have been placed in separate facilities than their parents while they wait to be processed. I would like to focus on the treatment of children and adults in the detention facilities. According to the American Civil Liberties Union (ACLU), over 4,200 children have been separated from their families under the Trump administration (Rafei). My paper aims to focus on a few cases that go beyond the number aspect of this situation, these cases will uncover the human experience of immigration. Some common terms used for immigrants are "criminals" or "illegal aliens". A tweet from President Trump says "ICE will begin the process of removing the millions of illegal aliens who have illicitly found their way into the United States. They will be removed as fast as they come in" (Politico). I believe that this use

Paper Presentations

of language and focus on numbers dehumanizes the human experience of immigration. Central Americans and Mexicans seeking refuge or asylum in the United States are not necessarily criminals, indeed they are also humans fleeing in search of a healthier, safer and prosperous environment to live in. The immigration facilities and policies at the border seem to violate basic human rights of individuals migrating into the United States (NPR). I am writing this paper because I am passionate about the topic and learning about the injustice and realities that immigrants face. To inform my research I will use cases presented by prestigious and trustworthy media such as The New York Times, NPR, This American Life, ProPublica and more.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Madelyn Houck (Panel #3)

Title: The Role of the New Song Movement: How it Spread Throughout Latin America and its Prevalence in Latin America Today

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: I researched the New Song Movement of Chile. In my research, I found that this movement spread throughout Latin America. I was curious about how other countries in Latin America followed Chile's example with political music and how Nueva Canción is currently relevant in Latin America and other parts of the world. Music was and is a way for citizens to express their feelings about their governments. The goal of the New Song Movement, or Nueva Canción, was to promote social change. For a short period, Nueva Canción was successful, but when the government found out, they started to control what music would reach the people. I researched this because I am very passionate about music and Spanish culture. To me, music is a beautiful way to express one's feelings. I feel that no one should be able to dictate the music a person makes. Music is a form of art, and the government should not be able to control art.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Tori Hughes (Panel #6)

Title: Confinement Then and Now; Relative Themes found within Manuel Puig's novel, The Kiss of the Spider Woman

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: In today's society, we often feel limited and locked up due to the pressures and expectations we have regarding our emotions, imagination, and everyday appearance. This limitation may cause us to feel enclosed in a box and our true and potential selves are kept contained in an attempt to maintain the "status quo" in society. In *The Kiss of the Spider Woman* (1976) by Argentine writer Manuel Puig, confinement and betrayal are at the core of the story reflecting modern society's confinement of those we consider to be "different," in this case a guerrilla man and a homosexual. The expectations of keeping ourselves hidden and limiting our deepest desires, including (among others) sexual and political desires, are transmitted throughout history and are evident both in the past and today. To make connections with the past and the present in relation to true confinement is to recognize that change within society must still occur. Within my CARS presentation I will highlight these connections and show that true confinement can be more than being locked inside a cell.

Motivation for Participating: Requirement for SPN 400, Spanish Senior Seminar

Amanda Hutteman (Panel #14)

Title: Protecting Graduate Education in Communication Sciences and Disorders

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I will be writing a persuasive paper to address why it is important to take actions in protecting graduate education for Communication Sciences and Disorders students because it is such a growing career field where we need more professionals.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Caitlyn Joslin (Panel #1)

Title: Water Security and Sustainability in Latin America

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Paper Presentations

Abstract: I am currently researching and writing a paper on how water is managed and sustained in Latin America. This topic combines the major that I am pursuing, Biomedical Science, and my minor, Spanish.

Motivation for Participating: I hope to teach others about how access to clean water and how sustainable water practices can benefit Latin America.

Megan Kipp (Panel #15)

Title: Lipstick: Beauty and Business

Faculty Sponsor: Professor Bryan Adams, Business and Marketing

Abstract: 1.) I will be presenting my paper on how lipstick has affected the global market and what this projects for the future market. 2.) I researched for this paper and wrote the report. 3.) I did this because I think the beauty industry has a large impact on socio-cultural action but isn't looked into deeply.

Motivation for Participating: I hope to gain experience in public speaking and the opportunity to possibly publish my work.

Emma Longo (Panel #15)

Title: Climate Denialism and Environmentalism: The Influence of Rhetoric on Social Action

Faculty Sponsor: Professor Francesca Gentile, English and Communication

Abstract: Climate activists effectively use pro-environmental rhetoric in strikes and on social media, mobilizing people all over the globe to protest. In spite of these efforts, officials do not write, enact, or pass policies. This is largely due to climate denialism and inaccurate and unscientific anti-climate rhetoric being continuously circulated around diffuse discourse communities. This paper examines the rhetoric used by climate activists and by climate denialists in order to consider how climate denialism affects the implementation of sustainable environmental policies. Using rhetorical frameworks, I will analyze examples of climate denialism circulating in denialist discourse communities alongside statistical evidence debunking the climate denialist view. I begin by looking at the rhetorical strategies used by the environmentalist movement and climate denialism

(such as appeals to kairos and logos), the international impact and agents of environmentalism, and the circulation of climate denialism among political officials and members of society. Lastly, I examine the inaccuracies expressed in the climate denialism discourse and the harm they carry for the future of society and the future of earth.

Motivation for Participating: Practice for my future Honors Capstone Presentation

Rayna Mandara (Panel #10)

Title: Forced Perspective: Voyeurism and Lisa's Dilemma

Faculty Sponsor: Professor Edward Wiltse, English and Communication

Abstract: In my final paper for Cinema Studies, I explored Alfred Hitchcock's "Rear Window". More specifically, I observed the relationship between camera perspective and the notion of voyeurism. Through the voyeuristic nature of the camerawork throughout the film, we are forced to view the story through the perspective of the main male character. In response, the main female character attempts to fit herself into this perspective so she remains an attractive suitor for him. This depiction of the dynamic between these two is an example of the underlying misogynistic narrative, indicating that a woman changing herself to accommodate a man's standards results in a happy ending for all. For her, this "happy ending" is finding a man to marry instead of winding up alone. This would be considered a worse fate than changing herself, as she did, for a man's benefit.

Motivation for Participating: I hope to experience the process of coherently presenting an idea of my own in order to inform peers on a subject I'm passionate about.

Christian Marrero (Panel #4)

Title: Assumption of la perla

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: My project is to show people what La Perla in Puerto Rico is really about and the history surrounding it, so people can stop assuming that it is just the worst place in

Paper Presentations

Puerto Rico. I want to tell people of how the community came to be and the strong bond within the people.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Natalie Mignemi (Panel #10)

Title: Morality: The Thing that Gets in The Way of Justice

Faculty Sponsor: Professor Edward Wiltse, English and Communication

Abstract: Fall semester of 2019 I took a class titled Cinema Studies. For our final paper, each person in the class had to choose a film and analyze it. Along with an analysis of two film techniques of our choosing, we were asked to break down a major theme depicted in the film that is connected to and impacts society. The film I chose to dive into was Brian De Palma's 1987 cinematic classic: The Untouchables. My paper focused on camera techniques and score, along with how those two techniques helped to develop an overarching theme of morality within the film. My process of analyzing this movie meant hours upon hours of watching it, taking notes, pausing, questioning, researching, and watching again. Once I did that, I was able to better focus solely on the score and the camera techniques, plus how these foundational tools of filmmaking pushed morality to the forefront of this film. Technically, I wrote this paper because it was required for my class to pass. However, through this paper, the "movie buff" inside of me was able to explore the cinematic universe she loves and finds so interesting while applying it to the world we live in.

Motivation for Participating: I want to gain confidence in myself as a presenter and develop more public speaking skills. I also am excited to share my work and listen to others share theirs.

Giovanni Minicucci (Panel #3)

Title: Spanglish: birth and spread of a new language. The case of New York State.

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: In my research I expressed the desire to talk about a topic that can be defined as very popular today: Spanglish. It has been defined as an unofficial language,

a mixture of English and Spanish due to the arrival of the Latino population to the United States. I will refer to the case of Puerto Rico, the history of this language and I will also try to include some interviews with Spanish speakers who have lived in New York for years. I decided to address this topic since my two languages of graduation are English and Spanish and I am interested in learning them from other points of view.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Jessica Nussbaumer (Panel #2)

Title: The Asylum-Seeking System—changes during the administration of Donald Trump

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: I had explored the asylum-seeking process and how it has changed under the administration of Donald Trump. I did this using research, news, government documents, and professional's work. I took an interest in this project after listening to a devastating podcast of US officials working at the borders with refugees. I wanted to explore just how these changes are affecting these individuals.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Amber Oberlender (Panel #1)

Title: What are the social and pathological impacts of access to clean water and sanitation infrastructure for communities in Haiti, the United States, and Costa Rica?

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: Access to clean water for consumption and sanitation purposes is often an unarticulated ideology, an expected reality for many people in the United States and other developed nations. The research question I have posed is, what are both the pathological and social consequences of a lack of accessibility to clean water sources and infrastructure, and how do they impact communities within the United States and the Latin American nations of Haiti and Costa Rica? I explored and compared the availability of drinking water in these regions, focusing on its systemic distribution and the potential health risks associated with contamination. This research is essential in the

Paper Presentations

understanding of water accessibility in order to develop strategies to improve both the quality and quantity of water and the overall health and functionality of impacted communities.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Alexis Ohman (Panel #1)

Title: Deforestation in Brazil

Faculty Sponsor: Professor Hilda Chacón, Foreign Languages

Abstract: Research deforestation in Brazil's Amazon and how that impacts its people and global warming at large.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Erin Potter (Panel #14)

Title: Advocating for Graduate Education in Communication Sciences & Disorders

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I wrote a persuasive paper that advocates for protecting graduate education in Communication Sciences & Disorders.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Julia Price (Panel #2)

Title: The Transmission of Mumps in Adults in Detention Centers Along the US-Mexico Border

Faculty Sponsor: Professor Hilda Chacón, Foreign Languages

Abstract: Until recently, mumps has been nearly eradicated in the United States as a result of vaccinations introduced in 1967. However, as a result of recent presidential immigration policies, conditions have been created in detention centers that have facilitated the spread of mumps (Oparil, Suzanne, and Scott Ryan 2019). I have investigated the factors in various detention centers that are causing the spread of mumps in adults, such as overcrowding, poor sanitation, and low vaccination rates (Abbas, Mohamed, et al 2018). The spread of this disease not only effects the physical health of migrants, but also their mental health, as well as increasing their time in detention centers. In order to stop mumps from becoming an epidemic, we need to evaluate the ways in which we can stop the spread of disease, and further ensure the safety of the migrant population. My research paper aims to bring this issue to the public eye in order stop the spread of this disease, and guarantee the wellbeing of migrants at the border.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Sienna Prieto (Panel #4)

Title: Femicide in Mexico

Faculty Sponsor: Professor Hilda Chacón, Foreign Languages

Abstract: I would like to present the outcomes of my Research project on Femicide in Mexico, which started in 2005 according to the Global Database on Violence against Women. I would like to show students at Nazareth College the situation happening right across our border. Although there is caos all over the world right now and a number of problems incresing day by day, one situation getting left in the dark is the acts of violence against women happing in Mexico. Just looking at specific data from the United Nations, Mexico's Gender Inequality Idex Rank is at 73%, It's lifetime of Physical and/or Sexual Intimate Partner Violence rate is 24.6% and its lifetime Non-Partners Sexual Violence rate is at 38.8%, these numbers itself are incresing daily. For the past 25 years violence and crime has inhabited Mexico, spread fear within its community, taken women all shapes, colors and forms and beaten them down, abused them and left many forgotten. Nowadays although still facing fear,I women stand tall and are trying to fight for their voice and the voices of those who they have lost. With this project not only do I hope to give recognition to this awful situation but also to the millions of women and organizations still fighting to be heard, still fighting to inform others and still fighting to be free and safe within their own homes.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Experiential Learning Pathway: Mentored Research

Jordan Rabe (Panel #11)

Title: Enhancing Medicare Access to Include Audiology Services

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: I began by researching federal issues concerned with audiology services stated by ASHA. I then wrote a persuasive paper regarding enhancing Medicare access to cover audiology services. Right now, Medicare doesn't not cover aural rehabilitation services for individuals who are deaf or hard of hearing. I did this research to present to local legislators the benefits a sponsored bill would bring to individuals who need these services, but currently unable to receive them.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Lily Redman (Panel #11)

Title: Medicare: Improving Access to Audiology

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: A persuasive paper was written to argue for improvement to Medicare services that cover Audiology services

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Amanda Rice (Panel #4)

Title: What influences the differences in Life expectancy rates in the United States, Brazil, and Costa Rica?

Faculty Sponsor: Professor Hilda Chacón, Foreign Languages

Abstract: For this project, I decided to look into the different life expectancy rates when comparing the United States to two Latin American countries. The first being Costa Rica which has a life expectancy rate of 80 years, while the United States is only 75.5. I chose Brazil as my second country because it has a population of 209 million which is more comparable to the United States population of 327 million. During my research, I have found that Brazil has a lower life expectancy rate than the United States, while Costa Rica has a higher one. I have also found the main factors that contribute to life expectancy rates are the availability of sizable research budgets, when health interventions occur, and the size of the socioeconomic gap. I believe that this is important research to share because it is imperative that our country take all possible measures to ensure a healthy population. When choosing this topic, I knew it has to be related to Latin American since that was my class requirement. However, my selection of life expectancy rates came from an interest formed from taking a public health class; and I was interested in bringing the two together.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Julia Smith (Panel #10)

Title: The Male Gaze: Sexism in Hitchcock's "Rear Window"

Faculty Sponsor: Professor Edward Wiltse, English

Abstract: Two other students and I from Edward Wiltse's Cinema Studies class analyzed classic films like Hitchcock's "Rear Window." This critical scholarship culminated in a final paper describing our own academic based interpretations. Together, we are forming a Cinema Studies Panel to discuss our work with attendees.

Motivation for Participating: I hope to gain new perspectives through discursive debates on cinema, history, and sexism.

Lindsay Spencer (Panel #13)

Title: Enhancing access to Telehealth services

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Paper Presentations

Abstract: I researched problems and the situations that alter access to Telehealth services for various areas. I looked at it from ASHA. I did it because I was assigned it.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Rachel Spezio (Panel #12)

Title: Promoting Workforce Diversity in the Field of Speech-Language Pathology and Audiology

Faculty Sponsor: Professor Carly Alicea, Communication Sciences and Disorders

Abstract: A persuasive advocacy paper regarding the promotion workforce diversity in the field of speech-language pathology and audiology.

Motivation for Participating: Requirement for CSD 438, Aural Rehabilitation

Maria Staehr (Panel #6)

Title: A torturee's mind: A jail without bars

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: Some women in society become victims of sexual assault and other traumatic experiences such as domestic violence. In the United States, one in five women will be raped at some time in their lives (Get Statistics). When women experience rape, their own being impacts their mental health and well-being. Additionally, the traumatic experience affects the physiology of the brain. Our brain gives us the ability to think and express ourselves. The brain that is responsible for all of these functions becomes an invisible jail when women experience sexual assault, that tries to break their humanness (Torture). In the book *Cambio de Armas* (1998) by Luisa Valenzuela, she writes about sexual assault in women during the era of the Dirty War in Argentina (1976-1983), exploring domination of women by sexual subjugation. In this research, I want to explore how the female brain becomes the jail of the woman that is tortured in the story "Cambio de armas" that gives name to the collection of short stories.

Motivation for Participating: Requirement for SPN400, Spanish Senior Seminar

Hannah Thompson (Panel #4)

Title: How Brazil is Handling the Venezuelan Refugee Crisis

Faculty Sponsor: Professor Hilda Chacón, Foreign Language

Abstract: This paper was written to take a look at the Venezuelan Refugee Crisis and its effects. This paper focuses mainly on how the Venezuelan Government produced the refugee crisis, and how the Brazilian government and its civilians are handling the influx of refugees.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Experiential Learning Pathway: International Experiences

Performances

Chaplin: The Musical

The Company of Chaplin: The Musical

Faculty Sponsor: Professor Corinne Aquilina, Theatre and Dance

Abstract: The cast of Chaplin: The Musical will share a short portion of their show to spread the word about their show! The musical is about the famous silent movie star Charlie Chaplin.

Motivation for Participating: The cast wants to share a portion of their work to help promote their show.

Gender Roles through Dance and Visual Art

Caz Lopata-linn, Michayla Kovalski, Dwight Young

Faculty Sponsor: Professor Mariko Yamada, Dance

Abstract: Choreographed a dance about gender roles. Worked with two dancers and a visual artist to create an abstract representation of rigid to fluid gender roles in society. Gender is such a heavy and often debated topic in our culture and culture's around the world and we as people sometimes place too much emphasis on gender/sex and not enough on the actual people and the qualities they possess.

Motivation for Participating: Requirement for DAN 400, Performance and Collaboration

Experiential Learning Pathway: Mentored Creative Activity

Giving Language a Hand: Cued Song Performance

Ryann Shultz, Lindsey Aronson, Kylie Bell, Jordyn Bombay, Justine Brooks, Haley Brunstad, Vanessa Caratozzolo, Jenna Colburn, Rachel Cook, Calvin

Garnes, Tessa Hecht, Caroline Hewitt, Sara Kelly, Michael Kerxhalli, Tara Kirwan, Gabby Larsen, Chabeli Martinez, Alexandra McCormick, Meredith Meagley, Julia Merzig, Kate Metzler, Courtney Miller, Kayla Miller, Sabriya Mustafa, Lauren Quatela, Olivia Quattrociocchi, Mackenzie Rivers, Abby Rushford, Mckenzie Rybka, Shannon Tierney

Faculty Sponsor: Professor Cathy Rasmussen, Communication Sciences and Disorders

Abstract: In CSD 201 Phonetics, we learn to use Cued Speech, a tool for conveying the sounds of spoken language visually. Cued Speech was developed for children who are deaf or hard of hearing, but is now used for language access and a variety of speech-language therapy applications. Along with LifePrep students, we improved our cueing skills by learning to cue a song, and will demonstrate by performing "Country Roads".

Motivation for Participating: Requirement for CSD 201 Phonetics

Performance and Collaboration

Kezia Latin, Morgan Hughes, Emily Brand, Gabbie Ritzmann

Faculty Sponsor: Professor Mariko Yamada, Dance

Abstract: 1) Collaborate with a Music Major 2) I contacted someone I knew and asked if they would be interested if they came up with music and I choreographed to the song 3) For a class

Motivation for Participating: Requirement for DAN 400, Performance and Collaboration

Sonata in C Minor for Flute and Piano

Hannah Baker

Faculty Sponsor: Professor Octavio Vazquez, Music

Performances

Abstract: During the course of my composition lessons throughout the spring and fall semesters of 2019, I composed a three movement piece for my primary instrument called, "Sonata in C Minor for Flute and Piano." I worked on it each week and brought my progress into my lessons for editing and adjusting as needed with my professor, Dr. Vazquez. I wrote this piece because I wanted to write a flute repertoire piece that would be fun to play, fit the flute well, and be challenging but manageable to learn. I have enjoyed learning all of my past and present repertoire pieces to an extent, but I wanted to be able to play a piece that would fit my personal style of playing, and that I would truly enjoy hearing (and that the audience would enjoy, too!). I believe that I have accomplished my goal, and have since been working to play it on my flute to the best of my ability. Overall, I am proud of the piece I have produced, and I am looking for more chances to share it with other people.

Motivation for Participating: I believe that this would be a valuable experience in helping me to gain insight on how to present my own work in a professional setting, particularly if the opportunity arises in the future to network with individuals looking for a composer. Additionally, as this is my last semester at Nazareth College, I believe this would be a good opportunity to share an important piece of myself with my peers and professors before I graduate.

Poster Presentations

Amy Aiken (#1)

Title: Should you Ditch the Groutfit? The Impact of Clothing and Gender on the Perception of Personality

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: Many inconsistencies have been found in previous research regarding how clothing style impacts how an individual is perceived. Therefore, clothing style and gender were manipulated to research their impact on perceived personality traits. An experiment was conducted with 40 participants (31 females and 9 males) that attend a private liberal arts college. Participants were randomly assigned to one of four pictures that showed either a male or female model dressed in a suit or sweatpants and a sweatshirt. Ten different personality traits were rated and then split up into 3 categories (interpersonal, appearance and competent) for analysis. All three categories of traits were significantly impacted by clothing style showing that the models in the suits were overall rated higher in all examined characteristics. There was no impact on gender in any of the categories of personality traits. Additionally, no interaction was found between gender and clothing style for any of the characteristic trait groupings.

Motivation for Participating: Requirement for PSY 202, Stats and Research Methods II

Aiyasha Aljaafari (#2G)

Title: The Importance of Preschool Programs for Children

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: This research studies (is studying) The Importance of Preschool Programs for Children. The methods for this research include a survey for teachers and parents, which will help to understand if preschool programs are necessary. By studying this topic, we will also understand the impact of preschool on a child's social, cognitive and emotional skills.

Motivation for Participating: Requirement for ELI 086, Writing/Presenting for Graduate Research

Emily Allen (#3)

Title: How does health education regarding the HPV vaccine improve self-efficacy of one to seek out the vaccine?

Faculty Sponsor: Professor Y. Michael Chen, Nursing

Abstract: 1. Set up a community viewing of Someone You Love 2. I reserved the forum for the viewing, advertised it to the Nazareth community, and recruited public health classes and athletes to attend, I set up a pre and post survey in order to collect data regarding education towards the HPV vaccine and cervical cancer 3. To increase awareness about a disease that creates high mortality and morbidity for women that is highly preventable

Motivation for Participating: I hope to gain experience with conducting and presenting research. I would also like to hear feedback about my research from non-biased sources evaluating my work as an informal peer evaluation.

Carolyn Anderson, Kellen Boyles, Cody Antonini (#4)

Title: Research: Trending topics in Finance

Faculty Sponsor: Professor Cathy Leverone, Business and Leadership

Abstract: Presenting our research topics about trending topics in the finance industry. We each researched a different topic to educate others on

Motivation for Participating: Requirement for FIN 430, Senior Seminar in Finance

Gianna Arcuri, Matt Visca (#5)

Title: Life is better with LifePrep- What does it mean to you?

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: This poster will be showing the experiences that mentors and mentees have from the LifePrep program. We will both interview each other about the benefits of the program that is provided and the significance to the Nazareth community.

Motivation for Participating: I hope to educate others about the program. Also, to see what others perspectives about it are.

Andrea Auer, Kayla Allen, Shea Hewitt, Elissa Kucinsky (#6G)

Title: Healthcare and Education Faculty Members' Knowledge of Occupational Therapy: Significance for Interprofessional Education

Faculty Sponsor: Professor Laura Poleshuck, Occupational Therapy

Abstract: Knowledge of the professional roles of others is a foundational skill for team-based professionals in healthcare and education. Increasingly, interprofessional education (IPE) and practice are areas of focus in higher education professional programs. The foundation for IPE is a basic understanding of the various disciplines with whom students will practice in the future. Despite findings that many students of these disciplines remain unsure about the scope of practice and roles of occupational therapists, no studies have been completed to ascertain the knowledge of their faculty members. The purpose of this study was to determine the level of occupational therapy knowledge in faculty members of nursing, speech-language pathology, physical therapy, social work, and inclusive education programs. We surveyed faculty members from all colleges and universities across the United States which provided public access to their email addresses. Results from over 1,100 participants across the United States indicated that on average, the surveyed faculty members had knowledge of 85.8% of the areas addressed by occupational therapy. The information obtained will be useful for creating interprofessional education (IPE) programs to improve the knowledge of faculty members and thus future professionals.

Motivation for Participating: Requirement for OTR 514, Research II: Writing, Presentation

Gabrielle Barcomb, Julia McLaughlin, Chris Moore (#7)

Poster Presentations

Title: Get Out! Events X-Culture

Faculty Sponsor: Professor Jennifer Leigh, Business Management

Abstract: Our group took the time to research this event management company in Singapore. Over the course of three months, we were given the real dilemma's of this business and ideas on how to solve them. Through different analysis and decision making tools, we worked with people on our teams from all over the world to solve them. We did this to put all of the knowledge that we learned throughout our years as undergrad business students to the test and apply them to real life situations.

Motivation for Participating: Requirement for MGT 430, Business MGT Senior Seminar

Experiential Learning Pathway: Service Learning, Student Leadership, International Experiences, Mentored Research

Jessica Barden, Felicity Love, Arianna Scamurra (#8G)

Title: Effectiveness of a Mirror Therapy Home Program for Individuals with Upper Extremity Hemiparesis Post-Stroke

Faculty Sponsor: Professor Julie Kunisch, Occupational Therapy

Abstract: The purpose of our study was to assess the effectiveness of a two week mirror therapy home program that includes exercise and functional activities to improve upper extremity (UE) function for individuals with hemiparesis post-stroke while using a video recording device to help monitor participant compliance. Six participants, 18 years or older, at least 6 months post-stroke resulting in upper extremity hemiparesis were recruited using convenience sampling. Each participant completed a mirror therapy home program for 20 minutes each day for 10 days with 2 video compliance checks on the third and seventh days. The FMA and MAL were administered and pre- and post-assessment data were collected to determine a change in UE function.

Motivation for Participating: Requirement for OTR 513, Research Project Implementation Analysis III

Experiential Learning Pathway: Mentored Research

Alyssa Belcastro (#9)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Experiential Learning Pathway: Mentored Creative Activity, Mentored Research

John Beyer (#10)

Title: Turning Internal Focus into External Success: The Effects of Mindfulness-Based Meditation Techniques on Induced Short-Term Stress

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: Mindfulness meditations are techniques that seek to center their user in the present moment, and have been demonstrated to bring about greater cognitive functioning and awareness upon use. To examine stress-reduction effectiveness of each meditation, change in participant heart rate was monitored across a stress-induction comparison, as well as two experimental mindfulness groups; a body scan, and mindful-seeing group. It was concluded that while a beneficial stress-reduction was attained across all used meditations, participants did not receive the hypothesized beneficial memorization increase as a result of participation in short-term mindfulness exercises. The present results are concurrent with past findings, suggesting that several weeks of devoted practice are required before practitioners may fully harvest any cognitive benefits associated with mindfulness meditation practice, possibly including increased memory capacity.

Motivation for Participating: I hope to gain additional experience summarizing and presenting my research to an audience that is interested in my findings.

Sara Bode (#11)

Title: X-Culture Global Virtual Team Experience: Good Earth Oils and the United States Markets

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: In this poster, Sara Bode will discuss her intensive global virtual team project on Good Earth Oils, an Australian vegetable oil company. Good Earth Oils produces edible, non-GMO, and chemical free cold-pressed canola oil, with a byproduct of protein rich meal for livestock. The project required the team to analyze competitors and an industry of choice, identify and create marketing and promotional materials, and specify companies to contact and appropriate pricing, while outlining regulations to follow when entering the United States markets. The poster will provide a brief overview of the teaming process through the X-Culture experience and the company selected, identify disciplinary connections to the School of Business and Leadership curriculum, demonstrate the use of trade and scholarly data in decision making and recommendations, and offer a logical argument for the varying recommendations for the company.

Motivation for Participating: Requirement for MGT 430, Business Management Senior Seminar

Max Borrelli (#12)

Title: Women in Shakespeare

Faculty Sponsor: Professor Lindsay Reading Korth, Theatre and Dance

Abstract: This was a requirement for my senior seminar in Theatre Arts. We were to choose a show from our season we were doing in the fall. I chose *The Tempest* by William Shakespeare and chose to discuss women's roles in theatre and how Shakespeare can propel women into a larger role in the theatre industry.

Motivation for Participating: Requirement for THA 452 Senior Seminar in Theatre Arts

Amya Brice (#13)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture. I picked one of these dancers to do a poster on that I found influential to me.

Motivation for Participating: Requirement for DAN 350, Dance History & Aesthetics

Experiential Learning Pathway: Mentored Creative Activity, Mentored Research

Matthew Brotsch (#14G)

Title: The Dosage Effect

Faculty Sponsor: Professor Matthew Schoell, Chemistry and Biochemistry

Abstract: Antibody screening for blood transfusions is one of the most important tests in blood bank and many factors can affect how easily it is to spot a positive antibody detection. The dosage effect has the potential to lower reaction strengths due to a decrease in specific antigens on the surface of Red Blood cells. In clinical scenarios we see dosage occur in older populations, infants and those who are immunocompromised. Genetics plays a very important role in who displays dosage, those who show heterozygosity in certain antigen displaying genes will have a lower quantity of antigen sites on the surface of their red blood cells. These antigens include Cc, Ee, Duffy, Kid, MN, and Ss antigens. Some antibodies like the Kid antibody can naturally titer down to

Poster Presentations

levels where if dosage is occurring we could see a false positive occur. It is extremely important to pick up on when dosage is occurring for clinical technologists due to life threatening implications for the patient if a transfusion is given when an antibody is missed.

Motivation for Participating: Requirement for CLS 450, Capstone

Michael Brown (#15)

Title: Five More Minutes: Effects of Sleep Inertia on Middle-Distance Running

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: This study examined the effect of sleep inertia, the transitory period between sleep and wakefulness, on athletic and cognitive performance, as measured by a one-mile time trial and reaction time test. Participants woke up at 6:30 am and completed the tasks at either 7:00 am or 10:30 am. Sleep inertia was found to have a nonsignificant impact on athletic and cognitive performance. This was done to determine whether athletes should be awake four hours prior to competition.

Motivation for Participating: Requirement for PSY 202, Stats and Research Methods

Charlotte Buechi, Michelle Patton, Deanna Bolduc, Cassie Dupre, Meghan Mendola, Ben Lyon (#16)

Title: Is urban gardening safe in residential properties built prior to 1978? A field-assessment in the city neighborhoods of Rochester, NY

Faculty Sponsor: Professors Padmini Das and Stephanie Zamule, Biology

Abstract: Contamination of residential soil used in urban gardens causes exposure to lead (Pb) through consumption of produce. Urban gardening is otherwise beneficial to the local community, and can be conducted safely with proper assessment of soil. Currently, the Environmental Protection Agency (EPA) sets limits for allowable soil-Pb in children's play areas, but no limit is defined for soils used for gardening. Our overarching goal is to demonstrate the need for assessment of potential garden sites. This will allow restriction of gardening to safe areas of the property, thus preventing

lead exposure through consumption of contaminated produce. Our objectives were to: determine safe locations for urban gardens in residential properties, assess how produce absorbs and stores Pb from contaminated soil, and investigate the presence of Pb in commercially-available produce and spices. Four residential locations were tested with an X-Ray fluorescence analyzer (XRF) to determine soil Pb contamination levels and compared with a control location. Plant samples were collected from these urban gardens. Produce and spices were collected from grocery stores and community farmers' market. Plant samples, produce, and spices were analyzed for lead concentration in a Microwave Plasma-Atomic Emission Spectrometer (MP-AES). Results show that lead contamination in residential soils is extremely heterogeneous and varies widely by location with respect to the number of sources, distance from the source(s), slope, and type of soils. Lead was detected in all four residential soils at varied amounts and was absent in the control location. Data obtained so far showed the absorption and storage of Pb in different parts of plants collected from the contaminated soils. Some of the edible parts were found to contain lead, which indicates high risk of exposure. The results establish the need for a case by case assessment of Pb in every property that is being considered for urban gardening. Assessment of residential properties prior to setting up an urban garden will help to determine the safe location, within which the garden should be restricted. The contaminated area of the property can be further categorized into high and low risk zones and appropriate remediation processes should be implemented.

Motivation for Participating: Requirement for SCI 450, Advanced Science Research

Vy Bui (#17)

Title: Cardiac Markers In Early Diagnosis of Myocardial Infarction

Faculty Sponsor: Professor Matthew Schoell, Chemistry and Biochemistry

Abstract: Myocardial infarction (MI), or heart attack, is a major cause of deaths for women and men from most races and ethnicity. Since the highest risk of fatality usually occurs within the first hours of cardiac events, it is essential for patients to receive an early diagnosis when onset symptoms begin. This project focuses on describing the four biomarkers, creatine kinase (CK-MB), myoglobin, lactate dehydrogenase, and cardiac troponin (cTn), in terms of their release kinetic after cardiac events, clearance from circulation, and specificity for MI diagnosis. In the early 2000s, cTns tests have started to emerge and are preferred over the other previous markers. The isoforms of troponin's two subunits, troponin I and T, are measured because of their specificity for heart muscle only. Compared to CK-MB, cTns persist for longer in circulation,

Poster Presentations

approximately 2 weeks after cardiac events, which is useful for late diagnosis. The amount of cTns present in blood samples is quantitatively measured by immunoassay; the reference range is 0- 0.4 ng/mL. With an attempt to lower the detection limit of cTns, a new test, high- sensitivity troponin assay is introduced and is underway for FDA approval.

Motivation for Participating: Requirement for CLS 450, Capstone in CLS

Benjamin Butler, Bridget Luce (#18)

Title: Synthesis, Metallic Insertion, and Characterization of Porphyrin Rings

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry and Biochemistry

Abstract: Porphyrin rings are Organometallic molecules found in nature that can contain a variety of different metals within their center. The metal exists as an ion and acts as a red-ox center that transports charges. Biologically natural porphyrins can be synthesized and characterized artificially within a laboratory setting. This project deals with the synthesis of porphyrin, the insertion of various metals, and spectral analysis of these compounds using a UV-vis spectrophotometer to determine if the insertion was successful.

Motivation for Participating: Requirement for CHM360L, Physical Chemistry Lab

Experiential Learning Pathway: Mentored Research

Benjamin Butler, Tenaya Chaney, Samantha Druce, Olivia Guerrette, Meredith Rasey (#19)

Title: Creating a potential biomarker for autism through the deuterated reduction of bilirubin to stercobilin

Faculty Sponsor: Professor Amber Flynn Charlebois, Chemistry and Biochemistry

Abstract: Autism Spectrum Disorders (ASD) are described in the Fifth Edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM V) as being characterized by impaired social ability, abnormal repetitive behaviors, and hyper/hypo sensitivity to different environmental stimuli. Presently, the only means for diagnosing childhood

autism is through subjective interpretation of the DSM V. L-urobilin (more commonly known as L-stercobilin) has been shown to be depleted in urine samples of ASD subjects in comparison to control samples from subjects without ASD. Therefore, an isotopomer of stercobilin could provide a more objective means for diagnosing ASD, serving as a biomarker. This research project focuses on synthesizing isotopically labelled stercobilin by reduction of bilirubin (a metabolite of heme) under different conditions. These conditions involve the alteration of hydrogen gas for deuterium gas or nitrogen gas, and glacial acetic acid for deuterated glacial acetic acid or tetrahydrofuran. Each product of the various combinations of the reagent and solvent should have different molecular masses, meaning that they can be distinguished using mass spectroscopy. The products of each reaction were analyzed using IR, NMR, and MS to investigate the mechanism of reaction to determine the most effective and reproducible means for synthesizing a stercobilin isotopomer.

Motivation for Participating: Requirement for SCI 450, Advanced Scientific Research

Experiential Learning Pathway: Mentored Research

Dilan Campbell (#20)

Title: How Academic Integrity Effects Patient Care

Faculty Sponsor: Professor Mary Dahl Maher, Public Health

Abstract: 1) research poster on academic honesty applied to healthcare 2) providing evidence-based research on those who were dishonest negatively impacting others 3) To show how to be the best healthcare professional possible

Motivation for Participating: Requirement for NSG

Lily Caron, Alyssa Gould, Hannah Meli, Madison Clark, Emily Anne Shechter (#21)

Title: Affirming Mindfulness in Individuals with Intellectual Disabilities

Faculty Sponsor: Professor Michael Chen, Public Health

Poster Presentations

Abstract: We completed a literature search on the prevalence and incidence of mental illness within the general population and within the population of individuals with intellectual disabilities. The research we came across indicates a more significant burden of mental illness within the population of individuals with intellectual disabilities. We hosted Special Olympic athletes on campus in an inclusive mindfulness activity on campus. We taught participants how to initiate mindfulness and stress relief practices. Our goal of hosting the inclusive mindfulness event was to empower and educate the participants about enhancing their mental health wellness.

Motivation for Participating: We hope to spread awareness of the prevalence for mental illness within individuals with intellectual disabilities to help end the stigma and lessen burden of such illnesses. Furthermore, we hope to create the foundation for more advancements for inclusivity and mindfulness. As a team we are looking to counteract marginalization of vulnerable populations such as individuals with intellectual disabilities and mental illness.

Ruying Chen (#22G)

Title: An Analysis of the Career Choices of Chinese Students Studying TESOL Program

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: This research analyses what the future career trends of Chinese students whose major is TESOL at Nazareth College are. The methods for this research include researching and illustrating other related literature, conducting a survey, and concluding the data then interpreting it. The purpose of this study is to find out more about the career choices of Chinese students majoring in TESOL program and their motivation for choosing this field.

Motivation for Participating: Requirement for ELI 086, Writing/Presenting for Graduate Research

Shengwen Chen (#23G)

Title: Applications of Confucianism in Non-profit Organizations in China

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: This research studies the application of Confucianism in non-profit organizations in China. The research uses a survey, interview and literature review to analyze and give solution of this problem. The purpose of this study is to help non-profits use Confucianism to change people's negative perceptions about them.

Motivation for Participating: Requirement for ELI 086, Writing/Presentation for Graduate Research

Amanda Conaway (#24)

Title: When the Grass Really is Greener: Causes and Consequences of Neighborhood Disparities

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: The phrase "The grass is always greener," describes how individuals think that life could be better somewhere else. Sociological research shows that areas with well cared for housing and land are associated with fewer crimes, mental illnesses, infant mortality rates, physical abuse, and other problems that can be harmful to one's health. A sociological understanding of this topic is important in order to compare the ways in which different people live based on their geographic location and their socioeconomic status.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Mariana Cong (#25)

Title: Life Prep Matters: Our Perspective

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: The poster will share the experiences of Lifeprep participants who are mentor and mentee. They will be responding to the main question of why does Lifeprep matter. The presentation will illuminate the value of inclusion

Motivation for Participating: I hope to work on my public speaking and also show how wonderful Life Prep truly is and get people to know more about it

Experiential Learning Pathway: Mentored Research

Linnae Corgan (#26)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dances

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Rachel Daly (#27)

Title: Instability of Child Welfare Workers

Faculty Sponsor: Professor Leanne Charlesworth, Social Work

Abstract: This poster synthesizes the existing research regarding the instability of child welfare workers and the effects it has on children in the foster care system. There is an extremely high turnover rate among child welfare workers and caseworkers. The research concludes that children in the foster care system often face attachment challenges, however, when they also have instability with their caseworker, the chance of them achieving long term stable placement, decreases significantly. Recommendations for policy and practice are shared.

Motivation for Participating: I hope to gain more perspectives and deepen my knowledge regarding this research. I'd also love to share what I have learned and have the opportunity to present it to others.

Casey Davis, Stephen Foster (#28G)

Title: The Relationship Between Residence Halls and Sense of Belonging

Faculty Sponsor: Professor Diane Enerson, Higher Education Student Affairs Administration

Abstract: This work focuses on how residence halls can influence a student's sense of belonging to that particular institution and in this case, Nazareth College. We looked at this through two different variables: whether room design effects sense of belonging, and whether Nazareth College is considered a "Suitcase School". These studies used data from the ACUHIO-I/Benchworks Resident Assessment, which consisted of questions related to residence life. Predictions are made on how to better improve the overall residential life experience for students to feel like they have a better sense of belonging to Nazareth College.

Motivation for Participating: This is an opportunity for HESAA students to present their research from our Capstone Projects.

Caroline Dennis (#29)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Kaitlyn Dobbertin (#30)

Title: Smells Like Sweet Victory: The Impact of Essential Oils on Perceived Exertion and Physiological Indicators During Exercise

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: This study was completed as a Statistics 202 project and examined the impact of peppermint and lemongrass essential oils on exercise and perceived exertion. A volunteer sample of participants were given peppermint essential oil, lemongrass essential oil, or the control of vegetable glycerin applied to their palms and then inhaled from their palms by covering their hands over their nose and mouth. After application, the participants were asked to complete a timed 800-meter run followed by perceived exertion indexes and physiological tests. All data obtained over the four days was analyzed through One-Way ANOVA, where it was found that the presence of lemongrass or peppermint has no significant effect on perceived exertion or running ability.

Motivation for Participating: I hope to gain experience presenting research to people and to expand my portfolio.

Jacob Dougall, Madisyn Marks, Hannah Smith (#31)

Title: Protein Structure Analysis Using Reversed-Phased HPLC Chromatography

Faculty Sponsor: Professor Amber Flynn Charlebois, Chemistry

Abstract: Structure-function relationships of proteins are significant to the study of biochemistry. In order for students of biochemistry to understand these relationships, it is essential for them to understand protein structure and, more specifically, the different conformations of proteins. With this in mind, we are developing an undergraduate biochemistry laboratory experiment to enhance student comprehension of protein conformations, redox reactions, and high-performance liquid chromatography (HPLC). Through the use of reversed-phase HPLC with a C-18 column, different conformations of lysozyme were analyzed. This 129-residue protein is comprised of a peptide chain that is interconnected with four disulfide bonds. When completely folded, the native conformations of lysozyme have exposed polar surfaces, thus having a lower affinity for the nonpolar stationary phase and the shortest retention times in the column. As the proteins are partially unfolded due to heat or denaturants, they expose parts of their interior hydrophobic residues, allowing them to have longer retention times. Due to

disulfide bond breakages and the consequent complete unfolding, the reduced proteins have the longest retention times in the column. This visualization in contrasting elution times can help to further reinforce the understanding of protein conformation and its influences.

Motivation for Participating: I hope to showcase our research to fellow peers and faculty, and to gain insight on ways to advance the project.

Experiential Learning Pathway: Student Leadership, Mentored Research

Mark Dunkelberg, Connor McCabe, Rukshana Giliani (#32)

Title: ZenCV Research Report

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: International teams were created through "X-Culture" where students collaborated in a research report to propose to particular businesses.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Mitchell Duvall, Abby Manning, Megan Griffin (#33)

Title: Investigations into the Interactions of Cresyl Violet with Nucleic Acid Molecules

Faculty Sponsor: Professor Amber Charlebois, Chemistry

Abstract: This research project involves the study of the interaction of nucleic acids with a small, planar, and aromatic dye molecule known as cresyl violet (CV). Cresyl violet is used as a visualization technique and from its interactions can differentiate DNA from RNA. In general, RNA stains a red-purple color while DNA is a blue hue, with differences in color being seen based on the bases in the sequence of the nucleotides. UV-Vis Spectrophotometry provides a quantitative description of the color differences. The use of both a traditional UV-Vis spectrophotometer setup along with a fiber optic UV-Vis spectrophotometer allows for comparison of CV's interaction with DNA and RNA following gel electrophoresis. The "in gel" application of fiber optics has allowed for the acquisition of the UV-Vis absorbance measurements of the DNA/RNA-CV complexes in the gel. The traditional UV-Vis spectrophotometer setup allows for the investigation of

Poster Presentations

the interaction of CV-DNA/RNA oligo, in solution. The DNA and RNA oligos analyzed are homo-polymers 15 bases in length. The wavelength trace between these different oligos are unique and indicate that DNA//RNA-CV interactions could be in part, base dependent.

Motivation for Participating: Experience presenting research and interacting with those interested in the research

Experiential Learning Pathway: Mentored Research

Danica Eckert (#34)

Title: The Impact of Sexual Education on Sexual Repercussions

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: I am focusing on how sexual education impacts teen pregnancy and sexually transmitted diseases. I am doing a quantitative study using surveys. I am researching this topic because of the lack proper sex education.

Motivation for Participating: Requirement for WGS 440, Seminar in Women and Gender Studies

Lindsie Farrance, Jose Solis, Lucas Driscoll, Walker Denton, Sarah Mieskowski (#35)

Title: X-Culture Global Virtual Team Experience: Vingt-Huit for the Japanese, Italian, and United States markets

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: In this poster the team of Lindsie Farrance, Jose Solis, Lucas Driscoll, Walker Denton, and Sarah Mieskowski will discuss their intensive global virtual team project on Vingt-Huit. Vingt-Huit is a French skincare company looking to expand into other markets. The poster will provide a brief overview of the teaming process through the X-Culture experience and the company selected, identify disciplinary connections to the School of Business and Leadership curriculum, demonstrate to use of trade and

scholarly data in the decision making and recommendations, and offer a logical argument for the varying recommendations for the company.

Motivation for Participating: Requirement for MGT 430, Business Management Senior Seminar

Lindsay Fenner (#36)

Title: Dealing with Danger

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: My project aims to explore the sociology behind safety and what creates the sense of danger and safety. We don't wish to be afraid, so how do we cope with our fears? There is a reality in being scared or harmed that is created through socialization rather than experiences. Fear interrupts our brains typical framework and creates a phobia. There are steps we can take to cope with this phobia such as self-defense classes. Sociological analysis on the feelings of safety can allow us to understand why we feel the sense of danger and how we can overcome this using resources in your society.

Motivation for Participating: Requirement for SOC 444: Sociology Senior Seminar

Elizabeth Ferrara, Patrice Edwards, Edward Lewis, Katherine Nesbitt (#37)

Title: X-Culture Kids USA/Global Marketing Report

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: Our group is participating in the international business experience called 'X-Culture'. All of us are working with the company 'X-Culture Kids' and producing a marketing research report for them. We picked a target country based off of research that would best benefit our company's goals. In our report, we analyzed competition, performed a SWOT analysis, recommended pricing and packaging deals, and produced actual mock-up marketing materials. Every piece of our recommendations were backed by cited research and have a cohesive flow. Each of us members had to work in a group of an international team with students around the world. We had to work around different time zones, language barriers, and cultural barriers in order to produce a

Poster Presentations

quality report. We did this not only to work on a collaborative marketing report, but also to practice accomplishing work across international borders. This was meant to bring us students closer from around the world and help to distant barriers set by international borders.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Olivia Figiel (#38)

Title: The Guatemalan Genocide: The Death and Rebirth of the Maya People in Guatemala

Faculty Sponsor: Professor Olena Prokopovych, History and Political Science

Abstract: I have conducted research on the history of genocide as well as the history of Guatemala, especially under the rule of General Rios Montt. This research was done primarily through the review of literature as well as reading primary accounts from Mayans in Guatemala. This research was turned into a senior comprehensive essay for Political Science. I chose this topic based on my interest in genocide studies and my interest in Latin America.

Motivation for Participating: Requirement for PSC440, Junior-Senior Seminar

Frank Gaffney, Danica Aquitania (#39)

Title: Synthesis of Lead Halide Perovskites for use in Solar Cells

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry

Abstract: Traditional energy sources, primarily the burning of fossil fuels, have created a need for green energy alternatives. Perovskite solar cells have seen a rise in popularity in recent years as a result of increasing efficiencies, low production costs, and short synthesis times. As these perovskites are used in solar cells, they need to be capable of absorbing a wide range of wavelengths. This research consists of synthesizing a cesium lead bromide perovskite nanocrystal using the method published by Seth et al. as well as a lead bromide perovskite characterized by its white emission spectrum synthesized using the method from Mao et al. The synthesized perovskites

are analyzed utilizing UV-Vis, Emission, and NIR Spectroscopy prior to testing for efficiency and stability in solar cells.

Motivation for Participating: Requirement for CHM 447, Advanced Science Research

Hanan Gahi (#40G)

Title: The Impact of Parent and Family Programs at RIT on Parents and Students

Faculty Sponsor: Professor Diane Enerson, Psychology

Abstract: The purpose of my proposal is to assess the parent's experience with their college student. The proposal paper will help me collect information that I will use to create a plan on how to reflect on my internship experience with the Parent and Family Program at Rochester Institute of Technology. Also, to assess how did parental involvement in higher education affect student's ability to transition successfully into college. The data for my paper was collected by my supervisor, Dr Chelsea Petree through different surveys; the first is the National Survey of College and University of 2015 (N=223) and 2019 (N= 277); and the second is the RIT parent survey 2017(N=1,576) and 2019 (N=1,984). My proposal project is an opportunity to be prepared for my capstone through reading, reviewing, integration, and explicating my understanding of the overall objective of the PFP program which is to involve parents and families of students in college events and activities to create better communication between students and their parents.

Motivation for Participating: Show the importance of Parent and Family Programs in the campus

Experiential Learning Pathway: Internships

Annalyse Greider (#41)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Poster Presentations

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Experiential Learning Pathway: Mentored Creative Activity, Mentored Research

Nicasio Gristina, Marc Diaz, Gabriel Gostin, Nicholas Hartwell, Mitchell Senecal (#42)

Title: Onemoreday X-Culture Project

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: This project is an overview of our X-Culture experience. Each team member had the same topic, which was the company Onemoreday. Onemoreday is an app for smart phones that helps university students with their time management skills. It calculates the amount of work and studying that needs to get done each day in order to get assignments done and be prepared for exams. Throughout our project we will go more in depth on how this app helps university students and why it should be used more.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Xiao Han, Jinnan Liu, Xiaofan Liu (#43)

Title: A Nation of Pianists, Piano Students, and Piano Lovers: Tracing the History of Piano Teaching in China

Faculty Sponsor: Professor Bonnie Choi, Music

Abstract: This poster traces the history of piano playing in China and the reason why it is such a phenomenon. The history of piano playing has gone through a great period of teaching by Russian pedagogues, Boris Zakharoff and Mari Paci. They influenced a Despite the evolution of piano pedagogy in recent decades in China, with international symposiums, competitions, performers and teachers who concertize and give master classes worldwide, large differences in pedagogy, playing techniques and performance styles still exist. Most students in China are taught in accordance with traditional Russian methods, the influence by Boris Zakharoff which emphasize the mechanics of playing, including finger coordination, consistency and, as might be expected, rigor and discipline. The result is often great technically proficiency at an early age. Musicality is also stressed, although it is largely specified by the teacher or interpreted from the manuscript in a strict manner, as alternative interpretations are discouraged. Instead, learning to play competently a specific, well-regarded interpretation is what is expected.

Motivation for Participating: Learning how to do research and how to present my findings in a well-designed poster format

Morgan Hand (#44)

Title: Creating the "Perfect Victim": The Legal System's Dehumanization of Sexual Assault Survivors

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: Why is it that so few victims of sexual assault come forward and report to law enforcement? What social barriers face victims in the process of going through the legal system and deciding to prosecute their assailants? Despite modern laws put into place that protect survivors, there is still a large amount of unconscious bias and societal discrimination regarding victims of sexual assault. The legal process following sexual assault is impersonal from start to finish, with a focus on making a "perfect case" rather than on the dignity of survivors. Coupled with the debate surrounding what should qualify as rape, it is sociologically important to explore the barriers and cultural values that lead to this struggle undergone by assault victims. In what ways does the legal system augment these difficulties, and what policy changes are needed? I aim to discuss this further through the sociological perspective in the way that modern American culture has come to view sexual assault in this manner and how it affects individuals differently in terms of labels and cultural expectations.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Laura Helda (#45G)

Title: *The Effects of a Bilateral Stimulation Warm up on Silver's "Drawing from Imagination" Scores*

Faculty Sponsor: Professor Stephen Demanchick, Creative Arts Therapy

Abstract: My research study involves meeting with individuals for approximately 15-20 minutes. Participants will engage in 2 small art making activities. I will be comparing 2 groups (control and experimental) in order to explore ways in which bilateral versus unilateral movement effects scores of Silver's "Drawing from Imagination" cognitive assessment.

Motivation for Participating: Requirement for CAT 532, Culm Project Seminar II

Sabrina Herrera, Morgan Kelly, Katie O'Dell (#46G)

Title: Perspectives of Parents on Their Experiences of the Transition Process After High School of Their Young Adult with an Intellectual or Developmental Disability

Faculty Sponsor: Professor Elizabeth Herbert, Occupational Therapy

Abstract: The purpose of this study was to gain insight into parents' perspectives on the availability of community resources and supports for the transition process of their young adult child with a developmental disability to engage in meaningful occupations post-high school. To address the lack of literature on the transition process, a qualitative study consisting of semi-structured interviews were conducted with six parents who have a young adult child with a developmental disability from an urban, suburban, or rural area. However, geographic location did not influence the transition process for each family. Three overarching themes involving school factors, parental factors, and availability of programs were identified as contributing to the understanding of barriers or supports for this process. The outcomes of this qualitative study indicate that there is a significant gap between what parents perceive they need and the support that is provided. Further research is required to assess the complexity of the process in order to provide systematic structure and guidance to parents and schools.

Motivation for Participating: OTR 513, Research Proj Implementation Analysis;
OTR514: Research II, Writing, Presentation

Aubrey Hillman (#47)

Title: Regurgitating or Reforming: An Investigation into the Rejection or Acceptance of Our Education

Faculty Sponsor: Professor Rio Hartwell, History and Political Science

Abstract: I'm planning on investigating the ways in which our education and environment affect the narratives and perspectives we carry into our life, specifically in US history. This is one of the most widely and most biased subjects that is taught and can differ in a variety of ways from the region, state, and even town. Each of these has their own perspective on this history that is surrounded in bias based on the political/social climate of that area that leads to their own specific interpretations of those events and beliefs on who is right and wrong. From this, I am interested in seeing what narratives and perspectives people have taken in through their learning and continue into their adult life and which ones have been cast away for their own. ultimately being passed on to the younger generations around them. people can identify as having been carried with them into their adult life and what parts have been left behind. One of the most common areas this occurs in is in the teaching of American history, where the way in which it is taught and the biases associated heavily influence the way we interpret and re-communicate it to others. To achieve this, I would like to conduct oral interviews with individuals that will obtain biographical information (age, where they're from, level of education, etc.), how they felt American history was taught to them, whether they agreed with it, and why they chose to either embrace it or reject it.

Motivation for Participating: I hope to see how and why students are more likely to either regurgitate or reform what they learn, specifically in relation to American history.

Emily Horab (#48)

Title: Short-Term Memory: The Picture Superiority Effect and its Affect with Chunking

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Poster Presentations

Abstract: This project is my PSY 202 research study project. The purpose of my study was to test to see if it is easier to memorize something if it is in the form of pictures or words, along with if it is easier to memorize something if it is chunked together. To conduct my study, I first explained to the participant the instructions for the study which is that they will have 2 minutes to memorize either the list of words or pictures (chunked or not chunked – depending on what group they were placed into). After memorization, I asked the participants to complete a short demographic survey. Lastly, the participants were given 2 minutes to recall as many words as they could remember by writing them down. I did this project because it was a requirement for my PSY 202 course.

Motivation for Participating: By presenting my work at CARS, I hope to gain insight from other students who may know a little bit more about my research project topic. I also think it is important to show the work I have completed to everyone else on campus, especially those who participated in my study.

Brendan Houle (#49)

Title: Just kidding! The Role of Humor in Friendship

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: One of the determining factors in how we know if we are truly close friends with someone is the importance of inside jokes in maintaining friendships. The sacred and closeness of inside jokes contributing to intimacy in friendships. This reminds each partner in the friendship that whatever they say or do stays between the two people which is a hallmark of friendship. The ideology of humor is to relax individuals in having a light-hearted conversation but also displays a great deal of trust providing details that could be secretive. A sociological analysis of humor and friendship sheds light on the influence of humor that can broaden a friendship in promoting a greater well-being as a happier person.

Motivation for Participating: Requirement for SOC 444, Senior Seminar

Daniel Howard (#50)

Title: Uneven Justice: Racial and Ethnic Disparities in the U.S. Criminal Justice System

Faculty Sponsor: Professor Olena Prokopovych, Political Science

Abstract: I researched the U.S. Criminal Justice System and looked at the current disparities that exist. I focused on three different categories: Racism in policing and within the courts, disparities that exist within the black and hispanic population in U.S. prisons, and finally I looked at life after prison and the differentiation between rehabilitation and prison. I researched what other scholars have said as well as looked at statistics to draw conclusions about the Criminal Justice System. I have a passion for Criminal Justice reform, and this is something I have been interested in for a long time. Following my Internship at Measures for Justice, my passion was expanded greatly.

Motivation for Participating: I hope to spread awareness as well as show how the U.S. Criminal Justice System, actually operates.

Michaela Jarvis, Alexander Pryor, Cameryn Bugman, Adriaan deKramer (#51)

Title: X-Culture Global Virtual Team Experience: UNCG MSIB Program

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: In this poster the team of Michaela Jarvis will discuss their intensive global virtual team project on The University of North Carolina at Greensboro The Bryan School of Business and Economics Master of Science in International Business program (UNCG MSIB) . The UNCG MSIB program is a fully immersive online program. Our task was to choose one target market and help to develop promotional strategies as well as giving suggestions on their program design, delivery, and management. The poster will provide a brief overview of the teaming process through the X-Culture experience and the company selected, identify disciplinary connections to the School of Business and Leadership curriculum, demonstrate to use of trade and scholarly data in the decision making and recommendations, and offer a logical argument for the varying recommendations for the company.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Bridget Kalish (#52)

Title: Grave's Disease

Poster Presentations

Faculty Sponsor: Professor Matthew Schoell, Clinical Laboratory Science, Chemistry

Abstract: Description of Grave's Disease (hyperthyroidism)- symptoms, cause, associated lab values

Motivation for Participating: Requirement for CLS 450, Capstone in CLS

Kellie Kaminski (#53)

Title: College Student Experience

Faculty Sponsor: Professor Rebecca Fahy, Psychology

Abstract: I conducted a study to examine the impact of different aspects of college on the student rating of their college experience and GPA. I used a sample of 61 Nazareth College psychology students who completed an online questionnaire. This questionnaire asked them questions about how they spend their time at college, their use of resources, clubs, and social events on campus, as well as some demographic questions. I conducted this research as a way to gain more experience in research as well as determine what factors can lead to the most success for a college student. I hope to be able to continue this research and use the information gathered as I continue on to a career in higher education.

Motivation for Participating: From presenting at CARS I hope to gain professional experience. I have never presented my research before, but research is something that I enjoy doing. I believe that CARS is an amazing opportunity for Nazareth students to gain experience in presenting their research or other work which can hopefully help them to present at larger conferences in the future as I know this is a hope for me.

Aydan Karakus, Nurdan Karakus, Yeter Olmez (#54)

Title: Effect of Media Use on Risk of Eating Disorders in Adolescents

Faculty Sponsor: Professor Bonnie Walden, Nursing

Abstract: This poster presentation was a course assignment for NSG 350 in Fall 2019. The goal of the assignment was to develop and present a creative PowerPoint presentation to include: background and significance of a clinical issue, a clinical

question, search strategy, appraisal of evidence, applicability for practice, and recommendations for evidence-based decision making. Our group was interested in understanding the relationship between media use and the development of an eating disorder. Through our review of the literature, we found that throughout the research, it was consistent that media users, compared to those who are not, were most likely to have eating disorder symptoms.

Motivation for Participating: Requirement for NSG 350, Evidence-based Practice for Clinicians

Michael Kerxhalli (#55)

Title: Impact of Socioeconomic Status and Drug Offense on Criminal Perceptions

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: I conducted an experiment to investigate how socioeconomic status and type of drug offense impacted attributions and overall evaluations of criminals. The sample consisted of Nazareth undergraduate students. Participants were randomly assigned to one of four conditions based on the criminal's socioeconomic status (upper vs. working class) and drug offense (possession vs. trafficking). All participants provided informed consent beforehand. The study procedure consisted of reading a fictional article detailing a drug arrest and answering survey questions. The survey measured internal and external attributions for socioeconomic status and criminal activity as well as the participant's positive or negative evaluation of the criminal. Finally, participants answered a manipulation check quiz and demographic questions before being debriefed.

Motivation for Participating: Requirement for PSY 485, IS SES and Drug Crime

Experiential Learning Pathway: Mentored Research

Melena Kopf (#56)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Dance

Poster Presentations

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Experiential Learning Pathway: Mentored Creative Activity, Mentored Research

Celine Kristoff (#57)

Title: What is Beauty?: A Study of the Effect of Certain Factors on Perceived Attraction.

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: The perceived attraction of an individual can be influenced by certain factors such as brightness, posture, and holding a cigarette. In this study, using a repeated measures design, 35 female participants were asked to look at six photos of individuals with two levels of each independent variable and rate them on a scale of 1-10 for attraction. A significant difference in their rating of attraction between the two levels was expected and results showed significant findings for the variables of the presence or absence of a cigarette as well as posture.

Motivation for Participating: I hope to gain more experience sharing my ideas with others and more practice presenting a poster. I hope to learn about the projects of others at the presentation as well, as discuss research with others.

Aditya Kunwar (#58G)

Title: A Comparison of Trading Strategies and Behavior Analysis between Retail and Institutional Traders

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: This research is comparing the trading strategies and behavior analysis between retail and institutional traders. This study utilizes a questionnaire to identify the behavior pattern which traders exhibit during day trading. This study will also conduct interviews among retail and former institutional traders to determine their daily trading routine. This study is important because it will explore the difference between traders in large financial institutions with years of experience and traders who trade with their own money part time in a world where stock market trading is getting more accessible to the general public.

Motivation for Participating: Requirement for ELI 086, Writing & Presenting for Graduate Research

Reilly Landino (#59)

Title: Hashimoto's Disease

Faculty Sponsor: Professor Matthew Schoell, Clinical Laboratory Science

Abstract: This poster is a project for one of my courses, capstone in clinical laboratory science. In my poster I will explain what the disease is, who can get it and why.

Motivation for Participating: I would like to explore my creativity and work on being more comfortable presenting to people.

Alex LaPoint, Joseph Lanzafame, Kaitlyn Hansen, Zach Fink, Ryanne Olsen (#60G)

Title: Comparison of a physical performance measure to a self-report measure in rehabilitation patients with orthopedic conditions.

Faculty Sponsor: Professor Andrew Opett, Physical Therapy

Abstract: Functional assessments are an important consideration when evaluating and treating patients. Self-report measures (SRM) rely on a patient's self-perception of function. Physical performance measures (PPM) rely on the raters assessment of the patient's function, usually through strength, balance, and mobility tasks. Theoretical advantages to performance measures include better reproducibility, better sensitivity to

Poster Presentations

change, and decreased susceptibility to cognition, culture, language, and education. Tests for gait speed, such as the 10-meter walk test, have been recognized as a valid, reliable, and sensitive measure for assessing functional status and overall health in multiple patient populations and has thus been identified as the "6th vital sign". The purpose of this study was to compare a physical performance measure (10-meter walk test for gait speed) to a self-report measure known as Focus on Therapeutic Outcomes (FOTO). All patients with low back or lower extremity conditions attending the Nazareth College Physical Therapy Clinic Between January-December 2019 that consented to participation were administered FOTO and the 10 meter walk test on at least 2 separate occasions. Data was analyzed to look for correlations between these two outcome measures.

Motivation for Participating: Requirement for Nazareth PT Research Series I-V: PTR 650, 654, 661, 760, 761

Experiential Learning Pathway: Field and Clinical Experience, Mentored Research

Rhys Levesque, Sean Payrot (#61)

Title: Optimization of Synthesis, Characterization, and Ligand Exchange of CdSe Quantum Dots

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry and Biochemistry

Abstract: Throughout the recent years, there has been a considerable amount of research into nanoparticles and their use in the fields of industry, technology, and medicine. Quantum dots are nanoparticles made of semiconducting material that, when exposed to specific wavelengths of light, emit energy in forms of light. These specific nanoparticles are made from a multitude of different semiconducting elements. Our undergraduate research at Nazareth College consists of synthesizing CdSe quantum dots based on standard methods previously published by Zemke, et al. The size and optical properties of CdSe nanoparticles before and after ligand exchange are characterized by UV/Vis and fluorescence spectroscopy. Ligand exchange and water-solubilization of quantum dots is a critical step for many investigations involving interactions of quantum dots and biological matter. The goal of our research is to synthesize high-quality water-soluble quantum dots that preserve optical properties in an aqueous environment and are therefore excellent candidates for studies of charge transfer mechanisms between microbes and nanomaterials.

Motivation for Participating: I hope to gain experience presenting research in a professional setting.

Experiential Learning Pathway: Mentored Research

Natalie L'Hommedieu (#62)

Title: The Path to Equitable Pay Through the Activists of Rochester NOW

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: In 2018, White/European American women made on average 20 cents less than their male counterparts. This statistic compounds for people of color and marginalized women; Black women made 62 cents and Latina-American women made 54 cents to each dollar earned by a white male. My study will look to question why this disparity still exists, specifically study in what the local Rochester chapter of the National Organization of Women does in the fight for equitable pay. In order to do such, I will be using historical qualitative research design by conducting interviews and analyzing documents. I choose to do this as activism is a vital part of Women and Gender Studies and by understanding the ways in which women continue to fight for their rights, as well as the most effective methods that are used in activism today, I will be better able to understand both the struggles that women face in today's world as well as the ways in which women are coming together to demand their rights.

Motivation for Participating: Requirement for WGS 440, Seminar in Women and Gender Studies

Xiang Li (#63G)

Title: An Investigation on Chinese Students' Foreign Language Reading Anxiety (FLRA) at Nazareth College

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: The researcher proposes to identify the levels of Chinese students' Foreign Language Reading Anxiety (FLRA) at Nazareth College, classify the key factors which have significant influence on FLRA levels and try to offer a certain amount of reasonable

Poster Presentations

and practical strategies to solve the problems of FLRA. The first subproblem will be to illustrate the FLRA theory and analyze other related literature about the phenomenon of FLRA performance. The second subproblem will be to create a survey (questionnaire) according to Saito's (1999) FLRA performance study to collect the data about the levels of Chinese students' FLRA at Nazareth College and summarize a number of factors which affect FLRA levels. The third subproblem will be to propose reasonable and practical strategies to solve the problems of Chinese students' FLRA. This study will investigate the levels of FLRA of Chinese students at Nazareth college in order to help them cope with the anxiety-producing situation and figure out appropriate measures which can improve FL learners' reading abilities.

Motivation for Participating: Requirement for ELI 086, Writing & Presenting for Graduate Research

Ally Livesey (#64)

Title: New Identity, Who Dis? Finding Oneself After a Brain Injury

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: Surviving a brain injury brings many concerns with the identity and self. The experience of surviving a traumatic brain injury (TBI) is an individual and invisible experience. Many survivors are faced with issues that involve learning one's new self post-injury, and merging one's new identity with their new self after the injury, and one's "old self" before the injury. Many TBI survivors face regret, grief, insensitivity regarding health professionals, and the invisibility of self. These research articles examine survivors of brain injuries and their experiences involved in their recovery process. Sociological analysis on brain injuries examines the social impacts the injury has on the survivor.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Katelyn Loewenguth (#65)

Title: Effects of Aeroponic Systems on Seed Germination and Seedling Health

Faculty Sponsor: Professor Ziriga Oteme, Biology

Abstract: My mentor and I spent the majority of the summer germinating seeds in the Peckham greenhouse using the aeroponics equipment as well as traditional soil-based systems. We tested the seeds of beans, tomatoes, and peppers in groups of 20 seeds for each system, and we tested the aeroponic equipment against soil-filled pots and planter boxes. We pretreated each group of seeds except the controls with identical amounts of the hormone gibberellin, in order to get the seeds to germinate within a shorter time frame. We recorded how many seeds germinated each day, and at the end of each growing period measured of the seedlings such as stem height, root length, and leaf size to determine how vigorous the seedlings were. We chose to do this experiment because aeroponics technology is still relatively new and its limits are not fully explored yet. Most aeroponic projects are carried out with pre-germinated plants, so we wanted to see if seeds could successfully be germinated in an aeroponic system.

Motivation for Participating: Requirement for SCI 420, Advanced Scientific Communication

Experiential Learning Pathway: Mentored Research

Shaina Louis, Izabelle Martinez, Sierra Taylor, Thomas Cuyler Jr. (#66)

Title: My sister's keeper: The role of service-learning in development of gender critical consciousness

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: In honor of the International day of the Girl Child, each of us focused and researched a country. The four countries were Columbia, Brazil, Haiti and India. We researched the country's literacy rate, the gender composition of the country their literacy rate high school and college composition, the leaders of that country and the pertinent issues for women and girls in that country.

Motivation for Participating: Requirement for WGS 302, Gender and Education

Vivian Lucas (#67)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Poster Presentations

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: DAN 350, Dance History and Aesthetics

Experiential Learning Pathway: Mentored Creative Activity, Mentored Research

Ben Lyon, Allison Vidro, Hannah Hullihen, Annabelle Carney, Maria D Cresce, Jessica Granchelli (#68)

Title: Fancy or faulty? What is in your high end crystal glass?

Faculty Sponsor: Professors Padmini Das and Stephanie Zamule, Biology

Abstract: Lead is a heavy metal that is found in numerous consumer products. According to the Agency for Toxic Substances and Disease Registry, health concerns from lead exposure include but are not limited to developmental problems, lower IQ, and ADHD in children. Many of these effects may also be observed in adults, albeit at higher exposure levels. There is a lack of research in the lead content in household items, including items that are being used to hold food and drinks. Leaded crystal, known for having intricate designs, remains popular for both special occasions and everyday use. Leaded crystal glasses and plates were purchased pre-owned or obtained from households. Some leaded crystal samples were labeled with percentage of lead within. Samples were tested using an x-ray fluorescence (XRF) spectrometer and some samples were found to contain lead at levels greater than 5,000 $\mu\text{g}/\text{cm}^2$. Public awareness needs to be a priority so that precautions can be taken to protect people from exposure. Future directions for this research are to determine how the lead contained in leaded crystal can leach into the liquids being contained within them.

Motivation for Participating: Requirement for SCI 450, Science Research

Chengbi Lyu (#69G)

Title: Comparing the K- University Education System in China and America

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: The research is comparing the K- University Education Systems in China and America. The research uses a questionnaire to analyze this problem. The purpose of this study is to analyze and evaluate what the differences and similarities are between Chinese class model and American class model in the K- University.

Motivation for Participating: Requirement for ELI 086, Writing/Presenting for Graduate Students

Guangwei Ma (#70G)

Title: An Analysis of E-Commerce Development

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: The researcher proposes to analyze and evaluate why electronic commerce develops very quickly. Sub problem 1 will be to research and analyze other related literature about the history of electronic commerce. Subproblem 2 will be to create a survey to collect some data and information Subproblem 3 will be to analyze and interpret the data from the surveys to find out the reasons why does electronic commerce develop so fast. In recent years, electronic commerce has been developing so fast. It's a problem which is worth spending time and effort.

Motivation for Participating: Requirement for ELI 086, Writing Graduate Research

Meagan Maher, Mariana Cong (#71)

Title: Lifeprep matters: Students' perceptions

Faculty Sponsor: Professor Shirley Sommers, Education

Poster Presentations

Abstract: The poster will share the experiences of Lifeprep participants who are mentor and mentee. They will be responding to the main question of why does Lifeprep matter. The presentation will illuminate the value of inclusion

Motivation for Participating: I hope the Nazareth community will understand the value of inclusion and the importance Lifeprep has to their students.

Meagan Maher, Andrew Leahey, Hannah Kuper (#72)

Title: X-Culture Global Virtual Team Experience: OneMoreDay

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: In this poster, the team of students (Meagan, Hannah, and Andrew) will discuss their intensive global virtual team project on OneMoreDay. OneMoreDay is an app that helps students manage their time and pass their exams. The poster will provide a brief overview of our process through the X-Culture experience and OneMoreDay, identify disciplinary connections to the School of Business and Leadership curriculum.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Morgan Mahoney (#73)

Title: If You Spend More Time With Your Kids, Are You a Better Parent?

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: We have all heard or thought to ourselves, "How are those people allowed to be parents?!" or "They should not be allowed to have children." Often people are quick to compare parenting they observe to the standards set by our society for an ideal family dynamic. The stereotypical nuclear family where the father works and pays the bills and the mother stays home and tends to the children and the house overwhelmingly stigmatizes our views on parenting. Maternal time spent with their children is recognized particularly in American culture as an indicator of whether or not you're a good mother. Society believes ideal mothering is spending lots of time with your children. So, does spending lots of time with your children mean you're a good mom? Many parents seek to meet this standard, but many working mothers who

cannot reach it must redefine their definition of a “good mother” to fit with work responsibilities. Sociological research has shown that working mothers today spend more time with their children than employed mothers in the past.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Drew McNerney, Joseph Fisher, and Own Kuhns (#74)

Title: X-Culture Global Virtual Team Experience: GetOut! Events for the Malaysia, Thailand and Japan markets.

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: We created a market expansion plan for GetOut! Events, with the most beneficial new markets to enter. Using reliable research and data, we will showcase our findings through a poster.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Experiential Learning Pathway: Service Learning, Student Leadership, Internships, International, Experiences, Mentored Research

Alexandra Meyer, Julia Marino (#75G)

Title: Service Learning Experiences' Impact on the Development of Occupational Justice in the Healthcare Profession

Faculty Sponsor: Professors Elizabeth Herbert and Lisa Sykes, Occupational Therapy

Abstract: A qualitative research study was created in order to explore individuals' in the healthcare fields service learning experiences. Service learning refers to learning that actively involves students in a wide range of experiences, which often benefit others and the community, while also advancing the goals of the given curriculum. This study looks to prove those benefits and explore its impact on the participants' perception of occupational justice. Three students, three faculty members, and two alumni from a private college in the northeastern United States were asked to participate. The participants were interviewed about their exposure to service, how it

Poster Presentations

was initiated, their future plans, and how it has impacted them both personally and professionally. Common themes that emerged across the participants included cultural awareness, involvement, occupational justice, and personal connections.

Motivation for Participating: OTR 513, Research Project Implementation Analysis III

Kelly Miller, Janee Greenidge, Kathleen Donlin-Smith (#76G)

Title: Sense of Belonging at a PWI and it's Affect on Attrition and Retention: A study of Non-Traditional and Underrepresented Minority Students

Faculty Sponsor: Professor Diane Enerson, Higher Education Student Affairs Administration

Abstract: Using the 2018-2019 NSSE survey, questions were selected to determine students sense of belonging by using a belonging scale to determine whether non traditional and underrepresented minority students have a more difficult time fostering a sense of belonging at a predominately white 4 year institution, when compared to their white and traditional counterparts. In addition to their sense of belonging, the retention rates were also explored.

Motivation for Participating: We hope to be able to effectively communicate our findings to the campus community, while practicing writing to an audience that may not be in the student affairs profession to help others gain an understanding of sense of belonging and its possible implications of low sense of belonging at our institution.

Victoria Miller (#77)

Title: Issues of gender equality in theatre

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: The purpose is to investigate the issues of gender equality in theatre. I will be conducting interviews of students and professors. Raise awareness and inspire change in theatre productions and have everyone's ideas count as equal.

Motivation for Participating: Requirement for WGS 440, Seminar in Women and Gender Studies

Maddison Moore (#78)

Title: The Role of Intermittent Breaks on Attention During an Effortful Processing Task

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: The prevalence of ADHD is on the rise and medication is not always a viable treatment option. There is a need for alternative methods for increasing attention in people with ADHD, and even more so in students with ADHD. Prior research suggests that rest breaks increase attention, although it is unknown which kinds of breaks are the most productive. The current study investigated the impact of breathing breaks and stretch breaks on attention during an effortful processing task. I hypothesized that breaks would significantly impact attention, with stretch breaks being the most successful. A convenience sample of 23 students from a small liberal arts college in Upstate New York was used to create the no break, breathing break, and stretch break conditions. The number of correct German to English word translations was used to measure attention. Results did not support the hypotheses, suggesting that breaks do not have an impact on attention. Future research is necessary to further investigate these variables.

Motivation for Participating: Requirement for PSY 202, Stats and Research Methods

Ryan Morehouse, Noah Sauve (#79)

Title: Porphyrin ring synthesis and applications

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry

Abstract: Porphyrins are a class of heterocyclic macrocycle organic compounds that are composed of at least four pyrrole rings that allow for the transportation and chelation of metal ions. They are most commonly encountered in our bodies, offering the transport of oxygen to our cells that allow for many vital processes. Our research looks to use a porphyrin complex as a semiconductor to harvest light in a photovoltaic cell.

Motivation for Participating: Requirement for CHM 360, Physical Chemistry

Experiential Learning Pathway: Mentored Research

Marisel Mustello (#80)

Title: Effect of Motivation on Exam Scores in College Students

Faculty Sponsor: Professor Ryan O'Loughlin, Psychology

Abstract: College students are becoming increasingly concerned about their grades (MacDonald, 1991), and less so about learning. There are many factors that go into academic achievement, including relevance of material, time management, and motivation (Abdulghani et al., 2014). Motivational media is one strategy that has been shown to increase motivation in individuals (Al-Eisa et al., 2016). Grant (2015) studied the effect of motivational media on academic success in psychology students, but had a few significant limitations. This study brought together motivational media and academic achievement, and focused on how motivation affects exam scores in college students, while addressing Grant's limitations. Participants watched either a positive video or a motivational video, and then took a reading comprehension test. It was hypothesized that those who watched the motivational video would do better on the exam than those who watched the positive video. Sixty-one college students participated in this study. Results found that motivational media had no significant effect on exam scores.

Motivation for Participating: Requirement for PYS 202, Stats and Research Methods

Vinh (Aaron) Nguyen, Michael Beckwith, Andrea Drysdale, Brandon Sproul (#81)

Title: Tuberculosis and the BCG Vaccine

Faculty Sponsor: Professor Bonnie J. Walden, Nursing

Abstract: This project was an assignment for NSG 350: Evidence-Based Practice for Clinicians. For this assignment students developed and presented a creative poster presentation which included: The clinical issue, background and significance, clinical question, search strategy, appraisal of evidence, applicability for practice, and

recommendations for evidence-based decision making. Our group was interested in learning the connection between BCG vaccine and the rate of tuberculosis after 10 years. Through our literature review, we found that the BCG vaccine reduces the risk of manifesting TB disease within 10 years after administration.

Motivation for Participating: Requirement for NSG 350, Evidence-Based Practice for Clinicians

Brandon O'Brien, Colin McElligott, Josh Brown, Brain Wilkin (#82)

Title: ZenCV X-Culture CARS Poster

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: In this poster the team of Brandon O'Brien Colin McElligott, Josh Brown, and Brian Wilkin will discuss their intensive global virtual team project on ZenCV. ZenCV is a professional CV service by resume writing experts and top-notch CV designers. ZenCV requested that our teams help them expand into new markets around the world. The poster will provide a brief overview of the teaming process through the X-Culture experience and the company selected, identify disciplinary connections to the School of Business and Leadership curriculum, demonstrate to use of trade and scholarly data in the decision making and recommendations, and offer a logical argument for the varying recommendations for the company.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Chiara Osborne (#83)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in

Poster Presentations

America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Experiential Learning Pathway: Mentored Creative Activity, Mentored Research

Alexandria Peck, Cassandra Dupre (#84)

Title: Synthesis and Applications of Cadmium Quantum Dots

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry

Abstract: We researched and synthesized cadmium quantum dots by creating cadmium and selenium precursors and growing the quantum dots. We analyzed them using spectroscopy and are researching ways that quantum dots can be used for solar energy and biological tagging. Quantum dots have a possible future use of more efficient solar energy collection and of safer fluorescent biological tags.

Motivation for Participating: Requirement for CHM 360, Physical Chemistry

Owen Penoyer, Kevin Hussey, Griffin Avery, Sean Hallice (#85)

Title: Research: Trending Topics in Finance

Faculty Sponsor: Professor Cathy Leverone, Business and Leadership

Abstract: As a group, we have each identified topics in the financial sector in which we conducted further research and analysis. We did so by using peer reviewed journals, and accredited online and text sources. We chose these topics out of personal interest and wanting to educate the public.

Motivation for Participating: Requirement for FIN430, Senior Seminar: Finance

Mary Perlee (#86G)

Title: The Perceptions of the Impact of Therapeutic Horseback Riding for Adults with Intellectual and Developmental Disabilities: From a Rider and Caregiver Point of View.

Faculty Sponsor: Professor Julie Kunisch, Occupational Therapy

Abstract: The purpose of this study was to examine the caregivers' or riders' perception of the impact of therapeutic horseback riding on engaging in meaningful daily activities, such as leisure, work, socialization, and physical activities. A total of 8 semi-structured interviews were performed at the Equi Center, Inc., in Honeoye Falls, NY, to gain insight into the benefit of therapeutic horseback riding for engagement in meaningful activities for adults with intellectual and developmental disabilities. After conducting the interviews, several conclusions were drawn into themes and sub themes that support the overall benefits of therapeutic horseback riding to improve the riders' participation in other meaningful daily activities.

Motivation for Participating: Requirement for OTR 514: Research II, Writing and Presentation

Maria Petosa, Emma Cuffney, Dana Dale, Rebekah Ebersole (#87)

Title: New Horizons in Ethiopia: Supporting and Sustaining Education for Children who are Deaf

Faculty Sponsor: Professors Heather Coles and Kathy Hansen, Communication Sciences and Disorders

Abstract: This presentation represents the collaborative efforts of sixteen Nazareth College students and Visions Global Empowerment who participated in a service learning experience in Awassa, Ethiopia. Visions is a nonprofit organization that strives to bridge the gap of inequality through education by working with schools and centers all over the world. The Nazareth undergraduate and graduate students taught english proficiency and students who are Deaf in two schools over the course of one week. The Nazareth group was the first volunteer group to work in this Ethiopian city. Eleven Nazareth students worked primarily with the students who are Deaf. Those students worked to create lesson plans to use with the students and to share with the teachers. The lessons were built on sustainability with the idea that they could be used in the future. As well as promoting educational development, Nazareth students were able to learn about a different language and culture from the Ethiopian teachers and residents.

Poster Presentations

Teacher training was also provided and incorporated into the service activities for the week.

Motivation for Participating: We hope to share what we learned and our experiences with the community as well as learning about the experiences and knowledge of other presenters as well.

Experiential Learning Pathway: Service Learning

Sophie Popiel, Caroline Winiecki, Brandi Rogers, Andrew Lembaris (#88)

Title: English Education in Ethiopia

Faculty Sponsor: Professors Heather Coles and Kathy Hansen, Center for International Education

Abstract: 1.) We went to Awassa, Ethiopia to teach students ages 6-18 English. 2.) Through conversational games. 3.) To bring awareness and education for those who need it.

Motivation for Participating: A deeper understanding and reflection of our experience as well as professional presentation skills.

Experiential Learning Pathway: Service Learning, Noncredit Bearing Community Engagement, International Experiences

Jiayi Qian (#89G)

Title: An Analysis of Time Management For Graduate Students

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: The research studies will analyze how much time graduate students will waste when preparing lessons outside of the class and how to improve the efficiency. The method for this research includes creating a questionnaire to identify what leads to the occupation of graduate students' time outside of the class and what specific methods do they use to address these problems. The purpose of this research is to

increase the efficiency of classes and improve the effective utilization of time by rational management and utilization of graduate students' time.

Motivation for Participating: Requirement for ELI 086, Writing/Presenting for Graduate Research

Meredith Ramin, Will Perine, Nicole Delbono, and Joshua Theodoro (#90)

Title: Life is Better with Lifeprep: Why Lifeprep is important to ALL

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: Experiences with Lifeprep mentors and mentees will be showcased in this poster. Mentors and mentees will work together to help show the benefits of this program and its significance to the Nazareth College community.

Motivation for Participating: A better appreciation for having the Lifeprep Program and the benefits it offers this college campus and all of its students.

Kirsten Reese (#91)

Title: Is College Really Worth It? A sociological look at the student loan crisis in America.

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: So often, college is thought to be the best decision for high school graduates as it will provide them with the most opportunities in the future. However, is it really the best option for everyone? Sociological research focuses specifically on how debt from college affects different groups of people, based on inequalities of race and gender, and their futures. A sociological understanding of this topic is important in analyzing the benefits or risks of college debt based on the inequalities of race and gender that exist in our society.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Lauren Resetarits, Hannah Darr (#92G)

Title: A Nazareth Experience: Satisfaction Through the Eyes of Two Student Populations

Faculty Sponsor: Professor Diane Enerson, Psychology

Abstract: We are looking at two different potentially underserved student populations at Nazareth College; Students with Disabilities, and Transfer students. Through two separate surveys, we assessed student satisfaction, and concluded potential programming changes to be used by Nazareth.

Motivation for Participating: Requirement for HESAA 590, Capstone

Allison Risewick (#93)

Title: When Freedom Fails: Comparing Democracy and Islamism in Post-Arab Spring Egypt and Tunisia

Faculty Sponsor: Professor Olena Prokopovych, Political Science

Abstract: As an international studies major and political science minor, I chose to do this research for my senior seminar class. I chose this particular topic because the Middle East is my regional focus in international studies, as I am a Turkish-American, and a Muslim woman. I have lived abroad in both Jordan and Morocco, former Arab Spring countries, and seen the aftermath of the 2011 uprisings in the political, social, and economic contexts. Tunisia has been considered a successful Arab country which has been able to establish a working democracy in the Arab world, while Egypt remains in a state of limbo. I am hopeful that democracy can be successfully implemented in other Arab countries, as seen with the reforms Tunisia has established.

Motivation for Participating: This would be my first time presenting at CARS, and I am hopeful that it can be a great step to share my passion for my interests with international relations and law, and to add this experience to my resume!

Jasmeliz Rivera, Marilyn Buck, Sophie DiCarlo, Dawn Baglin (#94G)

Title: Language-Literacy Outreach: A Model to Support Culturally and Linguistically-Diverse Children in Rochester

Faculty Sponsor: Professor Tania Giorgis, Communication Sciences and Disorders

Abstract: During the Fall 2019 and Spring 2020 semesters, graduate students in the Nazareth speech-language pathology program collaborated with Rochester City School District professionals to provide early language and literacy enrichment services to kindergarten and first grade students at Dr. Martin Luther King Junior School #9. Small group intervention services were provided twice weekly for 45 minutes. Children who attended the program were referred by the reading intervention specialist based on needs determined through early literacy screenings and classroom performance. Children were pulled out of their monolingual English or dual language (Spanish-English) classrooms and were provided services based on the language of academic instruction as well as cultural-linguistic background. Graduate clinicians targeted foundational language skills, specifically narrative language and phonological awareness, using wordless picture books, music, and multisensory extension activities. In addition to supporting children's growth in language and literacy skills, the reciprocal nature of this experience provided the graduate clinicians with a valuable opportunity to develop knowledge and skills related to bilingualism, bidialectism, and culturally responsive practices.

Motivation for Participating: More information on ways providers can adjust their services to ensure that they are addressing the diverse needs of the people they serve.

Experiential Learning Pathway: Service Learning, Field & Clinical Experience

Emmanuel Rojas (#95)

Title: A Delay on Puerto Ricans High School Students in New York Because of Spanish being Their Main language.

Faculty Sponsor: Professor Hilda Chacón, Foreign Languages

Abstract: I will be investigating about how Puerto Rican high school students get behind in their education because English becomes a language barrier that prevents them from graduating and proceeding with the next step of their future. Not being able to

Poster Presentations

speaking English in high school makes it difficult for the students to understand and learn most of the information that the professor provides in class. The language barrier also makes it hard for Puerto Rican students to graduate because they have to pass the English regent, which makes it almost impossible for the students if they can't understand the information on this exam. I will be trying to do personal interviews with students and teachers and see what they think about the situation and what are some ways we can improve or resolve this situation.

Motivation for Participating: Requirement for SPN 318, Special Topics in Spanish

Bryanna Roos (#96)

Title: Unknown Microwave Esterification in the Organic Chemistry Laboratory

Faculty Sponsor: Professor Amber Charlebios, Chemistry

Abstract: This organic chemistry curriculum-based research project focused on enhancement of the current esterification experiment. This reaction is being investigated using a CME MARS6 microwave. The esterification reaction involves the reaction of a carboxylic acid with an alcohol to form strong-smelling ester. The published microwave protocol was limiting because it required multiple identical reaction vessels with a minimum total volume. Because we wanted to create an unknown laboratory experiment, we decided to "push the limits of the microwave." We were able to successfully process nine different combinations of alcohols and carboxylic acids simultaneously. This now allows us to offer the students a richer experience with multiple unique products of analysis. The esterification experiment is being deployed in multiple sections of organic chemistry laboratory in the spring semester of 2020. Success was achieved by obtaining a relatively pure product with a percent yield of 40% or higher. The experimental protocol for the experiments included, NMR and IR for verification of products and therefore, correct identification of their unknown starting material.

Motivation for Participating: Requirement for SCI 450, Adv. Science Research

Experiential Learning Pathway: Mentored Research

Haylee Senay, Elizabeth Murphy, Emily Prescott (#97G)

Title: BIG Perspectives on BIG Changes: Real Life Experiences of the LSVT BIG Intervention from Individuals with Parkinson's Disease

Faculty Sponsor: Professor Kathleen Stoklosa, Occupational Therapy

Abstract: Occupational therapy has a significant role in addressing changes in function associated with Parkinson's Disease. The LSVT BIG intervention is a common form of treatment for PD, and includes four-weeks of intensive therapy sessions and a home exercise program (HEP). Currently, there is a lack of qualitative evidence pertaining to the LSVT BIG intervention, specifically patient perspectives on outcomes of the program, and compliance to the HEP. In this study, semi-structured interviews and a focus group were conducted in order to examine the perceived outcomes of the program on everyday function, and to identify common factors that influenced adherence to the HEP. Convenience sampling and purposeful selection was used to recruit six participants (three female, three male; age range 56-83 years old) from an outpatient therapy facility in Western New York who had completed LSVT BIG program with a licensed Physical Therapist. Major themes regarding perceived outcomes of the program, and factors influencing compliance to the HEP were identified using Nvivo software and authenticated using member checking.

Motivation for Participating: Requirement for OTR 514, Research II

Emily Anne Shechter (#98)

Title: Mental Health Disparities of Individuals With Intellectual Disabilities

Faculty Sponsor: Professor Y. Michael Chen, Public Health

Abstract: I researched and reviewed articles about the disparities that exist within populations with Intellectual Disorders. Information gathered was formally written as a paper that will be converted into a poster. This project was completed as a course requirement for myself.

Motivation for Participating: Requirement for PBH 480, Senior Capstone

Poster Presentations

Abby Shepard (#99)

Title: The Death Penalty- Does Race Play a Factor?

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: It is not surprising that race plays a role in the death penalty, but what matters more, the race of the victim or the race of the defendant? Sociological research shows that black or Hispanic defendants killing white victims are more likely to be convicted of the death penalty. Racially biased outcomes in death penalty cases derive from systematic stereotypes dating back to the beginning of America. In this situation, race can literally be the deciding factor in life and death.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Caroline Sherwood (#100)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Ryann Shultz (#101)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Experiential Learning Pathway: Mentored Creative Activity, Mentored Research

Shuying Sun (#102G)

Title: Crisis Management Strategies of Chinese Small Enterprises

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: The researcher proposes to analyze and evaluate through the survey interview what strategies are Subproblem 1 will be to research the failure of their strategies for the small enterprise and then analyze the causes and solutions. Subproblem 2 will be to create a survey to find "how many small enterprises have strategic plans? And are they afraid of crisis in the future?" Subproblem 3 will be to classify the data of the survey and analyze what problems the small enterprises are facing and what solutions are suitable for them. Small enterprises are an important part of the country's industrial chain. The survival and competitiveness of small enterprises will directly affect the future of a country's economy. But these enterprises lack crisis management ability because of the shortage of capital and manpower. Therefore, the study will show the problem and bring to the attention of small enterprises to think about how to rescue themselves when they are facing a crisis in the future. Necessary for Chinese small enterprises to use and survive under the crisis because of product, financial and market competition in the future.

Motivation for Participating: Requirement for ELI 086, Writing/Presenting for Graduate Research

Poster Presentations

Kaitlyn Sutton (#103)

Title: Stress Management Techniques for Special Olympic Athletes: A Case Service Learning Study

Faculty Sponsor: Professor Michael Chen, Public Health

Abstract: I found a few different coping mechanisms for stress management that I plan to institute for Special Olympic Athletes to utilize to promote optimal mental health and reduce stress while improving stress management techniques. I will teach them how to create stress ball balloons, coloring as an alternative option, and worry stones that they can use long term for stress reduction. I am doing this because Special Olympic athletes are at a disadvantage when it comes to health, especially their mental health and may not be able to communicate that because of their intellectual disability so providing them with an adaptive coping mechanism, it can alter their current maladaptive coping mechanism.

Motivation for Participating: Requirement for PBH 302, Health Ed Methods

Experiential Learning Pathway: Student Leadership, Field & Clinical Experience

Molly Sweeney (#104)

Title: Who gets a Special Education?

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: A sociological investigation of who gets a special education in American public schools. Passage of legislation such as the Individuals with Disabilities Education Act (IDEA) has drastically changed how educators and practitioners classify and diagnose disabilities, and distribute special education services. Since the passage of IDEA, the number of conditions and behaviors attributed to a disability have drastically increased. Additionally, children of color are more often being diagnosed as having a disability in comparison to their white counterparts, while remaining underserved in fields of special education. A sociological understanding of the cultural value of disabilities and its diagnosis distribution across social groups will give parents, educators, doctors and families insight into the cultural influence of who does and who doesn't receive a special education.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Molly Swidrak (#105)

Title: *Post-Traumatic Stress Disorder and Gender*

Faculty Sponsor: Professor Leanne Charlesworth, Social Work

Abstract: I wrote a research paper that looked at how PTSD presents itself differently depending on gender among current and former military service members. I started with a question about PTSD and gender within the military and then proceeded to find research that would answer my question. I am interested in this topic and research because I myself am in the Army Reserves and I hope to serve on active duty as a social worker to help individuals within the service once I graduate in May. I was able to learn more about this topic and I hope I will be able to use this information in my own career, as well as educate others.

Motivation for Participating: Requirement for SWK 352, Social Work Research Methods

Kristin Thayer (#106)

Title: America's Irreplaceable Dance Treasures

Faculty Sponsor: Professor Heather Acomb, Theatre and Dance

Abstract: For several years, the Dance Heritage Coalition has curated a growing list of America's irreplaceable dance treasures. This list includes dancers, choreographers, companies, and social dance forms from all genres of dance. This poster session will highlight just a few of those treasures as well as introduce some new names that we consider "treasure worthy" in order to appreciate the richness of the history of dance in America as well as bring awareness to, and grow interest in, the nation's growing and diverse culture.

Motivation for Participating: Requirement for DAN 350, Dance History and Aesthetics

Matthew Townsend, Brendan Gacek (#107)

Title: Dart Drones X-Culture Poster

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: In this poster the team of Matt Townsend and Brendan Gacek will discuss their intensive global virtual team project on Dart Drones. Dart Drones is the nation's leader in drone training that is located in over 40 cities across the country. In our report, we were asked to help Dart Drones grow their business internationally. Along with that, they want to know if they should license or franchise their business. The poster will provide a brief overview of the teaming process through the X-Culture experience and the company selected, identify disciplinary connections to the School of Business and Leadership curriculum, demonstrate to use of trade and scholarly data in the decision making and recommendations, and offer a logical argument for the varying recommendations for the company.

Motivation for Participating: Requirement for MGT 430, Senior Seminar

Dauriani Urena (#108)

Title: A Study on Hyper-Masculine Ideologies and Help-Seeking Behaviors

Faculty Sponsor: Professor Shirley Sommers, Education

Abstract: This research aims to explore the correlation between toxic masculinity and help-seeking behaviors for mental health. I will be conducting a survey. Long term social change comes from addressing issues of gender inequality.

Motivation for Participating: Requirement for WGS 440, Seminar in Women and Gender Studies

Rebecca Victory, Leah Brown, Shannon Johansen, Mackenzie Swinehart (#109G)

Title: Barriers and Supports for Compliance in an Intensive Home Program: An Interprofessional Qualitative Study

Faculty Sponsor: Professor Kathleen Stoklosa, Occupational Therapy, and Professor Heather Coles, Communication Sciences and Disorders

Abstract: This poster outlines an interprofessional study that looked at the lived experience of stroke patients participating in a home program, with the goal of improving language output, and arm and hand movement. Participants were involved in combined occupational and speech-language therapy treatment sessions with activities focused on their interests and goals. Following the treatment phase, the participants and their primary caregivers provided information regarding multiple aspects of their experience through recorded interviews. Participant: "...last night we were talking (at) dinner and...I was able to talk to everybody..." Researcher: "Do you feel that you were able to participate more?" Participant: "Yes, oh yes."

Motivation for Participating: Requirement for OTR 513, Research Project Implement Analysis III

Allison Vidro, Hannah Hullihen, Annabelle Carney, Maria Di Cresce, Jessica Granchelli, Ben Lyon (#110)

Title: What is lurking in your coffee mug?

Faculty Sponsor: Professors Stephanie Zamule and Padmini Das, Biology

Abstract: Lead is a heavy metal that is found in numerous consumer products. According to the Agency for Toxic Substances and Disease Registry, health concerns from lead exposure include but are not limited to developmental problems, lower IQ, and ADHD in children. Many of these effects may also be observed in adults, albeit at higher exposure levels. There is a lack of research in the lead content in household items, including items that are being used to hold food and drinks. Mugs were purchased pre-owned or obtained from the research team. Measurements of lead content within cups, mugs, plates, and various utensils were taken using an x-ray fluorescence (XRF) spectrometer. Mugs were found to contain up to 3,732.1 +/- 53.2 $\mu\text{g}/\text{cm}^2$, a level which is a concern for public health. As it is known that lead can leach

Poster Presentations

into food and liquids, public awareness needs to be a priority so that precautions can be taken to protect people from exposure.

Motivation for Participating: Requirement for SCI 250, Intro to Science Research

Experiential Learning Pathway: Mentored Research

Nicole Walid (#111)

Title: The controlled biosynthesis of cadmium sulfide quantum dots using *Shewanella oneidensis* MR-1

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry and Biochemistry

Abstract: *Shewanella oneidensis* is a species of bacteria notable for its capability to survive both aerobically and anaerobically. As a metal-reducing bacterium, it possesses the well-studied additional ability to reduce metal ions found in its aqueous environment in order to act as the terminal electron acceptor in its electron transport chain. As a facultative anaerobe, *Shewanella oneidensis* is able to survive in greater concentrations of toxic metals than other organisms. Utilizing sequestration, harmful materials are compartmentalized into vesicles for future metabolic use. For example, in solutions containing Cd ions, which are toxic to cells, the bacteria will sequester the metals in vesicles as cadmium sulfide (CdS) quantum dots of varying sizes. These dots are then analyzed via fluorescent microscopy of live cells and spectroscopy of cell extracts. The size of the quantum dots created by the bacteria depends on various factors, including growth conditions and the concentration of metal ions present. As the amount of Cd and other toxic metals in the environment is increasing due to electronic waste, *Shewanella oneidensis* biosynthesis of CdS quantum dots may provide an avenue to eliminating and recycling these harmful materials from the natural world.

Motivation for Participating: Sharing my experience and research with other students and practice presenting to others

Experiential Learning Pathway: Student Leadership, Mentored Research

Kerrigan Walters (#112)

Title: The Influence of Highlighter Color on College Student's Memory

Faculty Sponsor: Professor Lindsey LaPlant, Psychology

Abstract: Highlighting material in an article or textbook has been a retention strategy for many college students. The question is though, which color highlighter is the most effective in helping retain the most information for a test? Having knowledge of the most effective color highlighter or style of highlighting can improve memory and scores for college students. Participants were 25 undergraduate college students. Participants read an article while highlighting with either a yellow highlighter, a blue highlighter or no highlighter. Following the article, the participants answered a 10-question multiple-choice test in response to the article, to assess retention. The results indicated that color did not have a significant effect on memory, but there was a significant effect of year in college on memory. College students would benefit from this information, therefore another study with more participants should be conducted.

Motivation for Participating: Requirement for PSY 202, Stats and Research Methods

Clarissa Weis (#113)

Title: Religious Studies Photo Archive Project

Faculty Sponsor: Professor Bishal Karna, Religious Studies

Abstract: I have been working with the Department of Religious Studies on their Photo Archive Project. I developed a system to collect, organize, categorize, archive, and display photographs relating to various aspects of religion taken by the Nazareth community. I have already worked with two faculty members, interviewing them and conducting background research, to archive and exhibit their photographs. I am working towards opening the project to Nazareth students so they can contribute photographs. The goal is to develop an online archive and exhibit of religion-related photographs, giving a human face to religion and allowing for people to see and empathize with the lived religiosity of the so-called "others." Working on this project has allowed me to put into practice knowledge, skills, and tools from my Museum, Archives, and Public History major, while also developing specialty in the area of religion.

Poster Presentations

Motivation for Participating: I want to improve my public speaking and presentation skills. Also, I want to inform others of the project and encourage their participation.

Experiential Learning Pathway: Mentored Creative Activity

Lauren Whitney (#114)

Title: Clinical Presentation of Malaria

Faculty Sponsor: Professor Matthew Schoell, Clinical Laboratory Science

Abstract: This project explores the clinical laboratory perspective of one of the most deadly diseases, malaria. Though malaria in New York is rare, it is of particular importance of those that have had a travel history to equatorial countries. As a clinical finding, it is not seen as often in smaller laboratories, however, in larger laboratories such as Strong Memorial Hospital it is seen more frequently. This project is part of a requirement for CLS 450 Capstone; I decided to pick a topic that was of particular interest to me and had relevant clinical significance. I had a particular interest in hematology and wished to do more independent research on malaria. In the clinical laboratory, hematology medical technologists are always on the lookout for abnormal cell morphology and other findings that could be clinically significant. In this case, the identification of the type of Plasmodium species is paramount in the effective treatment of malaria.

Motivation for Participating: Requirement for CLS 450, Capstone

Experiential Learning Pathway: Field and Clinical Experience

Meghan Willette, Lauren Nichols (#115)

Title: Synthesis and Analysis of Caesium Lead Bromide Perovskite Nanocrystals

Faculty Sponsor: Professor Sanela Lampa-Pastirk, Chemistry

Abstract: Caesium Lead Bromide perovskite nanocrystals were synthesized and analyzed using UV Vis spectroscopy. A precursor solution was synthesized using

caesium bromide and lead bromide, dissolving it in DMF. This solution was able to be stored. Perovskites were synthesized using toluene, oleic acid and oleyamine in a round bottom flask, under stirring. The precursor solution that was previously synthesized was added to the perovskite reaction vessel. 1 minute of reaction time was allowed, and fractions of the solution were taken at different increments during the reaction time. The resulting product was purified via centrifugation and washing of the precipitate with ethyl acetate. The product was analyzed using UV Vis spectroscopy and observation and identification of peaks at 800nm. Success of this project has not yet been determined. The experiment was done in order to perfect and analyze different methods of synthesizing perovskite nanocrystals.

Motivation for Participating: Requirement for CHM 360, Physical Chemistry

Alex Winkler, Parker Lawrence, Michael Tilford, Sara Heaton (#116)

Title: Research: Trending Topics in Finance

Faculty Sponsor: Professor Cathy Leverone, Business and Leadership

Abstract: We have each written a paper on a different area of finance. For example, I have started writing a paper about micro financing. As a group we will share a board and discuss new and different areas in finance.

Motivation for Participating: Requirement for FIN 430, Senior Seminar in Finance

Experiential Learning Pathway: Student Leadership, Internships, Mentored Research

Eric Woodin, Connor Mann, Dylann Hogan, Amari Marshall (#117)

Title: Good Earth Oils X-Culture

Faculty Sponsor: Professor Jennifer Leigh, Business and Leadership

Abstract: In this poster the team of Eric Woodin, Connor Mann, Dylann Hogan, and Amari Marshall will discuss their intensive global virtual team project on Good Earth Oils. COMPANY BRIEF OVERVIEW: Good Earth Oils is a company from Australia that produces and sells Cold Pressed Canola oil. They have tasked us with finding a new

Poster Presentations

market that is not on the equestrian side of business, but rather towards cooking for humans. The poster will provide a brief overview of the teaming process through the X-Culture experience and the company selected, identify disciplinary connections to the School of Business and Leadership curriculum, demonstrate to use of trade and scholarly data in the decision making and recommendations, and offer a logical argument for the varying recommendations for the company.

Motivation for Participating: Requirement for MGT 430, Business Management Senior Seminar

Jennifer Wozniak (#118)

Title: The Human Toll of Jail

Faculty Sponsor: Professor Kimberly McGann, Sociology and Anthropology

Abstract: How would having a parent in jail affect your family? Let's talk about socioeconomic changes your family will face, putting all the responsibility on the in home parent. How will your child get through this difficult time? What role does race play in how well families fare? Sociological research looks at outcomes of child behavior problems and family bonds in relation to incarcerated family members. A sociological understanding of this topic is important because bringing to light the racialized effects of incarceration on families is the first step to alleviating racial disparities.

Motivation for Participating: Requirement for SOC 444, Sociology Senior Seminar

Yunting Xia (#119G)

Title: An Analysis of the Relationship Between Personality and Art Preference

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: This research is studying how personality influence aesthetic preferences in the art field. The study will research and analyze other related literature about how personality influences aesthetic preferences in the art field. The second step will be to create a survey to illustrate the effects of personality on the artwork preference on each different student at Nazareth College. The third step will be to analyze and interpret the

data from the surveys. The purpose of this study is to analyze the relationship between personality and art preference.

Motivation for Participating: Requirement for 086, Writing/Presenting for Graduate Research

Siying Yang (#120G)

Title: An Analysis of Online Teaching Methods

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: This research is studying the importance of online teaching methods for undergraduate students. The methods for this research include using questionnaires, analyzing the data and collecting the literature review. The purpose of this study is to comprehend student's ideas and teachers can improve teaching methods in the future.

Motivation for Participating: Requirement for ELI 086, Writing/Presenting for Graduate Research

Julin Zhang (#121G)

Title: An Analysis of Students' Preferences Relating to Textbooks

Faculty Sponsor: Professor Sarah Shaw, English Language Institute

Abstract: This research is to analyze and interpret the comparison and the reasons why Chinese students and native students at Nazareth College prefer using textbooks in class or not. The methods for this research include handing out the questionnaires and reviewing the literatures. The purpose of this study is to compare the preferences of students from China and America and find out the reasons which might reflect the rationality of textbook settings to a certain extent and might improve the use of textbooks.

Motivation for Participating: Requirement for ELI 086, Writing/Presenting for Graduate Research

SOARS Summer Research

Cassandra Dupre, Meghan Mendola

Title: Transformation of the Neonicotinoid, Thiamethoxam, by Select Bacterial Species

Faculty Sponsor: Professor Stephanie Zamule, Biology

Abstract: This poster was a SOARS research project that continued into semester research based on the degradation of a pesticide, thiamethoxam, by different bacteria species. The poster will showcase the testing of several different bacteria species and their ability to break down pesticide during a certain amount of days and in different conditions. We found that all of the bacteria species performed degradation best at 30 degrees Celsius and that *Pseudomonas fluorescens*, *Pseudomonas putida*, and *Pseudomonas aeruginosa* biodegraded over 50% of the present thiamethoxam in 24 days and *E. coli* biodegraded over 50% in 14 days. This research is important because pesticides are being proven to be a cause of Colony Collapse Disorder for bees. Understanding how to degrade pesticides to reduce exposure for bees could help prevent Colony Collapse Disorder in the future.

Motivation for Participating: Requirement for SCI450, Advanced Research

Experiential Learning Pathway: Mentored Research

Celine Kristoff

Title: Do you see what I see? Intern and supervisor perspectives of their internships.

Faculty Sponsor: Professor Stephen Hill, Business and Leadership

Abstract: Through examining intern-supervisor relationships, we found that the frequency of interaction (FOI) impacted interns' perceived career support, mediated by the quality of the intern-supervisor relationship exchange. Career support predicted clarity of professional identity. Supervisor-rated FOI influenced the quality of the relationship exchange only and not intern-rated career support.

Motivation for Participating: I hope to gain more experience with the process of creating and presenting a poster at a conference in preparation for the National Society

of Industrial Organizational Psychology conference I will be attending in late April. I hope to practice and improve my skills of interacting with others at CARS in a professional sense as well as articulating the findings of my project to others at Nazareth.

Tessa Miller, Abbey Zych

Title: Utilization of Urban Public Libraries to Promote Summer Literacy: Perspectives of Diverse Families and Library Professionals

Faculty Sponsor: Professor Lisa Hiley, Communication Sciences and Disorders

Abstract: The purpose of this project was to explore the utilization of literacy programming within the Rochester Public Library System for young children in library settings during the summer months; the project recognized the perspective of both parents'/caregivers' and library professionals' viewpoints. Data was acquired through photo-elicitation journals and interviews with families and librarians as well as surveys collected at community-based events. These methods addressed factors possibly influencing attendance and engagement with library programming designed for young children during the summer months.

Motivation for Participating: We hope to gain experience with presenting organized research findings.

Rebecca Victory, Leah Brown, Shannon Johansen, Mackenzie Swinehart (G)

Title: Barriers and Supports for Compliance in an Intensive Home Program: An Interprofessional Qualitative Study

Faculty Sponsor: Professor Kathleen Stoklosa, Occupational Therapy, and Professor Heather Coles, Communication Sciences and Disorders

Abstract: This poster outlines an interprofessional study that looked at the lived experience of stroke patients participating in a home program, with the goal of improving language output, and arm and hand movement. Participants were involved in combined occupational and speech-language therapy treatment sessions with activities focused on their interests and goals. Following the treatment phase, the participants

SOARS Summer Research

and their primary caregivers provided information regarding multiple aspects of their experience through recorded interviews. Participant: "...last night we were talking (at) dinner and...I was able to talk to everybody..." Researcher: "Do you feel that you were able to participate more?" Participant: "Yes, oh yes."

Motivation for Participating: Requirement for OTR 513, Research Project Implement Analysis III

Evening Graduate Poster Presentations

Liza Beardsley, Caroline Hyman (#501)

Title: The Benefits of International Studies on Educators

Faculty Sponsor: Professors Shanna Jamanis and Maria Hopkins, Education

Abstract: I traveled to the Dominican Republic in January 2020 with a group of Nazareth graduate students in various programs including OT, speech and creative arts students. We did several presentations on teaching literature to students with autism and shared case studies. We spent time attending presentations At an autism center, a preschool, and an after school program.

Motivation for Participating: I am hoping to share how this trip has impacted my current teaching practice.

Jessica Byrnes (#502)

Title: Mathematical Number Talks

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: As a Clinical Assistant, I am completing a project with a math intervention teacher where I am investigating how mathematical number talks affect student's performance. I have been working with students in 4th-6th grade that receive math support twice a week. My area of interest was the effect of number talks on student's mathematical performance. I gave students pre-assessments on the subject area they were receiving intervention on. Following the pre-assessment, a Number Talk was implemented. A Number Talk is a short discussion among a teacher and students about how to solve a particular math problem. It also provides students a moment of collaboration. After the Number Talk students were given the pre-assessment again, this time acting as a post-assessment. This was done to see if the student's performance improved due to the number talks assistance in the retrieval of student's prior knowledge.

Motivation for Participating: I am using CARS as a step in presenting in my professional field. I hope to gain a better understanding of how to implement number

Evening Graduate Poster Presentations

talks into my future classroom and further develop support the importance of accessing student's prior knowledge.

Heather Carr (#503)

Title: Exploring Color and its Effect on Emotions

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

Abstract: The purpose of this research sought to understand how individuals' experiences can affect their emotional response to the association of color. There were one hundred fourteen participants who taken a survey consisting of fifty-four questions. The significance of the study had been to gain a better understanding of how past experiences can influence emotional association to a color stimuli. This research would be helpful in the field of art therapy as another way of getting to better understand potential clients.

Motivation for Participating: Requirement for CAT 532 Culminating Project Seminar II Externship

Sarah Conroy, Alexandra Kiley, Nicole Pucci, Erin States, Emma Sturm (#504)

Title: Does a script concordance test measure physical therapy residents' change in clinical reasoning when prescribing assistive devices?

Faculty Sponsor: Professor Sue O'Brien, Physical Therapy

Abstract: Our research project focuses on accurately measuring clinical reasoning which we define as: "...a nonlinear, recursive cognitive process in which the clinician synthesizes information collaboratively with the patient, caregivers, and the health care team in the context of the task and the setting". This study identified 68 residency programs from the American Board of Physical Therapy Residencies and Fellowships (ABPTRFE). We then sent a script concordance test to the residents during the first month of their residency and compared their scores to an expert panel. Measurement of clinical reasoning has never been undertaken before with assistive device prescription.

Motivation for Participating: Requirement for PTR 761, Research 5

Caitlin Court (#505)

Title: Re-establishing Self-Identity by Process-Oriented Art Therapy in Adults with Traumatic Brain Injuries

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

Abstract: Through the exploration of the creative process, the researcher examined the change in perceptions of identity over a four-week art making process for people who are experiencing a traumatic brain injury (TBI). Data was collected through the use of mixed media art interventions, discussions and journaling relating to personal experiences living with a TBI. Art making can help encourage the way people express their feelings and emotions that they may otherwise be unable to communicate verbally due to their injuries. The purpose of this study was to explore further the opportunities available for adults who have experienced trauma to the brain, and how they are able to regain their own awareness of self, and bring fourth their identity through their own work and manipulation of their art making.

Motivation for Participating: I hope to network and strengthen my skills with public speaking. I also would like to learn how to professionally present research that I am passionate and proud of.

Erin Cregan (#506)

Title: What are the Impacts of Background Music on Writing for Sixth Graders

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: As a Clinical Assistant, I am completing a project in four, sixth grade inclusive classrooms that analyzes the impacts of background music on writing. The sixth graders are participating in free-writing sessions where I am recording their writing stamina through observations and increased time intervals. I am assessing details and punctuation in the writing samples after mini-lessons on each writing component with and without background music. This project takes into consideration the students' views as I have given a pre-survey on how they feel about background music in the classroom and the impact it has on their learning. At the end of my project, I will administer a post-survey on the student perspectives. Through the

Evening Graduate Poster Presentations

analysis of all of my data, I will gain a better understanding on how background music impacts writing stamina and quality of writing.

Motivation for Participating: Requirement for Clinical Assistantship

Sarah Dugas (#507)

Title: Working Towards Total Trying: Teaching students with disabilities self-determination strategies to support sustained attention

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: As a Clinical Assistant, I am completing a project in a third grade inclusive co-taught classroom where I am investigating how teaching self-determination strategies to students with disabilities help support their sustained attention. I have been working with six students, five of whom are classified with a disability and one of whom as teachers we identified would benefit from these interventions. Each third grader is focusing on their own individual goal related to tasks they struggle with sustained focus. The interventions focused on teaching strategies to increase their self-determination. The interventions are implemented two times a week in both small group and one-on-one settings. At this point in my project I am hoping to determine which self-determination strategies best support and promote sustained attention for students with disabilities, which I will then use to inform my work with future students.

Motivation for Participating: Requirement for Clinical Assistantship

Taylor Durocher, Katherine Bochnewetch, Christopher Finley, Christopher Rettig (#508)

Title: Exploring Perceptions of Teamwork and Collaborative Behaviors of Pre-Entry Level Students in an Inter-professional Education Course

Faculty Sponsor: Professor Jennifer Fay, Physical Therapy

Abstract: Our project focused on the spring 2019 semester of Contemporary Issues in Interprofessional Team Practice (IPE 598), an interprofessional education (IPE) course for students pursuing careers in healthcare/education. The fourth class in this course is

a medical/educational simulation in which each student works within a team. We surveyed the students regarding self-assessed abilities in the areas of collaboration and teamwork after the simulation, using the Interprofessional Collaborative Competency Attainment Scale, a retrospective pre-post assessment. A demographic questionnaire was formulated to gain insight into this population. These forms were accessible via the course Moodle page. An announcement was made in class and emails were sent to announce the opening/closing of the survey. An increased emphasis has been placed on interprofessional collaboration (IPC) with the goal of providing optimal patient care through a team-based approach. IPE is a way to prepare new clinicians to treat in an interprofessional team. Our focus was to determine if an IPE course can influence teamwork behaviors associated with IPC. As Nazareth College promotes IPE, we want to use this research to assess the curriculum, with a focus on timing of IPE 598 within course schedules and how the simulation grows students to work effectively with others.

Motivation for Participating: Requirement for PTR761, Research V

Brittany Heffler (#509)

Title: Learning Strategies to Make Writing Engaging for ESL Students

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: As a clinical assistant working two days a week in a 5th-grade Inclusive Bilingual Special Education classroom, I am researching how to make writing engaging for ESL students. I am implementing oral and hands-on strategies to help students develop connections to the content being taught. I have tracked data to visualize and compare how both written and oral opportunities can play a role in the learning process for English Language Learners. At the end of my project, I will analyze the growth students have made to determine the importance of oral opportunities while learning how to write.

Motivation for Participating: Requirement for Clinical Assistant

Katie Hjelmars (#510)

Title: I Have No Idea What I Look Like: An Exploration of Body Image and Visual Culture

Faculty Sponsor: Professor Samantha Nolte-Yupari, Art Education

Abstract: I conducted an autoethnographic, arts-based inquiry to female body image. I interviewed six college-aged women on how visual culture and extracurricular activities have influenced their body image. My participants explored their relationships with their bodies through a body-mapping activity. My research was framed through the lens of new materialism and material feminism, exploring how the objectification of women's bodies in visual culture can lead to diminished self-esteem and body image issues. This exploration is used to justify body-positive curriculum and visual culture in the visual arts.

Motivation for Participating: Requirement for AED 690, Capstone Seminar

Kelsey Jones (#511)

Title: Getting a Jumpstart on College Life

Faculty Sponsor: Professor Diane Enerson, Psychology

Abstract: Orientation transition programs are a critical part of the transition experience for incoming college students. These programs are designed with intended outcomes but are rarely ever tested for completion of those outcomes as transition program across the country are designed based on school demographics, geographical locations, and other identifying characteristics. For my project I am focusing on the University of Maryland- Baltimore Country Dawg Days: Jumpstart extended orientation program that in total welcomes 90+ students to UMBC campus over the summer to take class credit. Through my study I will be looking at just 40 of those incoming first year students' responses and testing whether or not their knowledge and familiarity with UMBC's campus changes from the pretest they took prior to the program to the post test done after. The answer to my inquiry will be seen through data collected from these tests that I designed and administered over the course of the program.

Motivation for Participating: Good professional experience

Sarah LeNoir, Sara Stamer (#512)

Title: Clinical Applications of Praat Technology in a University Clinic: Technical & Clinical Utilization

Faculty Sponsor: Professor Lisa Hiley, Communication Sciences and Disorders

Abstract: Create a protocol for the program Praat, as a way to provide visual biofeedback for articulation therapy in a university clinic. Increasing awareness of the tools that can be utilized with speech-language clients here at Nazareth College

Motivation for Participating: This presentation was previously presented at ASHA, in Orlando, FL, 2019. However, we would like to be able to share this protocol and information on a smaller, and more private scale with the individuals that are a part of the Nazareth College community.

Hannah McCann, Sarah Dugas, Caitlin Francz, Erin Cregan, Katia Shepard, Jessica Byrnes, Kelliann Ryu, Lila Alsheheri, Caroline Hyman, Mohammed Assiri (#513)

Title: Assessments of In-School Support Systems for Students With Challenging Behaviors: A Meta-Analysis

Faculty Sponsor: Professor Ellen Contopidis, Education

Abstract: Student behavior has impact on student learning. How do we assess just how much of an impact and the effectiveness of school plans for intervention is an ongoing question. As a class we developed a protocol for assessing the level of student behavior that impedes learning, as well as what a school has in place to support students. We individually collected and analyzed data of specific schools. We reviewed each project and conducted a meta-analysis. Our poster will reflect our combined findings.

Motivation for Participating: Requirement for SMD 650: Seminar in Supporting Challenging Behaviors in Inclusive Settings

Kiera McGurn (#514)

Title: GROW developmental screenings

Faculty Sponsor: Professor Lisa Hiley, Communication Sciences and Disorders

Abstract: In responding to the Rochester area's need for comprehensive developmental screenings for preschool children, Nazareth College has partnered with the Children's Institute to carry out community-based developmental screenings (GROW). GROW screenings comprehensively include dental, height and weight (BMI), hearing, vision, fine and gross motor, speech and language, cognition, and social-emotional screening tools. GROW not only screens children in all areas of development, but also documents screening outcomes and follows the process of re-screens and full evaluations until children in need are paired with treatment providers. The purpose of this poster is to highlight the community-based and interprofessional screening procedures, partnership and impact associated with the GROW project at Nazareth.

Motivation for Participating: I hope to introduce GROW screenings to students and faculty to raise awareness of this program. I also hope to incite excitement for other human service students to participate in conducting GROW screenings such as Occupational Therapy, Physical Therapy, and Social Work. Participating in GROW screenings as a graduate student studying Speech Language Pathology has increased my ambitions to make a difference in my community, and has grown my interprofessional skill set more than I could have ever anticipated, and I hope to share these experiences with other graduate students as a means to grow professionally. Above all, I have been introduced to the real-life process of assessment, which is a body of knowledge I will reference for the entirety of my career.

Jess Ophardt (#515)

Title: Conductive Spaces: Sensory Engagement with Installation Art Through the Makers Lens

Faculty Sponsor: Professor Samantha Nolte-Yupari, Art Education

Abstract: For my graduate thesis study, I was interested in the sensory integrated work of artists who create in dynamically large scales, producing their work to encompass a particular space. Contemporarily referred to as Installation Art, I often find myself in awe of the grandeur and magnetic quality this type of artwork can evoke. As

an artist I recall how as a young student I was restricted to creating smaller scale works in my art classrooms and mostly on a 2D plane. As an art educator I understand the restrictions some art teachers may have imposed on them when it comes to creating on such a large scale however I feel the benefits of this sensory work can be beneficial to students engagement and learning, not only in the arts but in many other areas as well. I interviewed numerous artists, some of which were teachers, and asked them to reflect on their work as an artist and their response to this type work being incorporated into a classroom setting.

Motivation for Participating: Requirement for AED 690, Capstone Seminar

Rukhsana Palmer (#516)

Title: Creating a Love for Reading and Self Awareness

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: The purpose of this project is to assist struggling readers in creating a love for reading through read aloud strategies. It is also to develop metacognition within the students to bring self-awareness regarding how they learn. By taking a metacognitive approach to support struggling readers, students are able to have an understanding how they can learn so they are able to understand themselves better as readers. As a student in The Graduate Literacy Program, this project provides me with essential skills to learn how to better address struggling readers while helping to create strong and enthusiastic readers.

Motivation for Participating: Requirement for Clinical Assistantship

Emily Randolph (#517)

Title: How do you make a peanut butter and jelly sandwich?: It depends on which side of the brain you ask!

Faculty Sponsor: Professor Melissa Johnson, Communication Sciences and Disorders

Abstract: I am currently working as a graduate assistant alongside Dr. Johnson with her research on right hemisphere brain damage (RHD). We have examined the use of

Evening Graduate Poster Presentations

two different discourse measures, global coherence (GC) and main concept analysis (MCA), as applied to a procedural discourse task completed by people with RHD, people with aphasia (PWA) and healthy controls. Participants' and healthy controls' discourse samples were gathered from RHDBank and AphasiaBank, divisions of <http://talkbank.org>, a shared database of multimedia interactions for the study of communication. Participants were matched by age, education, and gender. Participants completed a procedural discourse task in which they were asked, "How do you make a peanut butter & jelly sandwich?" Each discourse sample was analyzed for GC (reference) and MCA (reference). We are currently assessing inter-rater and intra-rater reliability of both measures as part of a broader effort to analyze discourse in people with RHD. There are few evidence-based assessment measures or interventions for those with RHD compared to PWA. Finding accurate assessment measures and understanding the discourse characteristics of people with RHD will aid in more effective diagnosis and clinical intervention options for speech-language pathologists in the future. The poster will present the results of this research.

Motivation for Participating: I hope to gain more insight on the research from other areas throughout the school. I also hope to gain more confidence in doing formal presentations. I hope to attend the ASHA conference in the fall and this will allow me to practice presenting our current research findings.

Naomi Raymond (#518)

Title: Quality of Life and Cognition in New Horizons Band Members

Faculty Sponsor: Professor Bryan Hunter, Creative Arts Therapy, Music Therapy

Abstract: The purpose of this study was to explore the reasons why members joined the band, and how they perceive their participation in the band has affected their quality of life and cognition. This is my thesis topic and I would like to showcase a poster at CARS on the data I have gathered. I did a mixed-methods research study using written self-reported questionnaires as well as in-person interviews. I was in the band for a year and a half and enjoyed the experience and the people involved, which is why I was inspired to write my thesis on this topic and the New Horizons band.

Motivation for Participating: This would be my first time presenting my work. I hope to gain experience in presenting my work before I gather the confidence to present at a conference.

Lizzy Scherer (#519)

Title: Exploring Artist-Educator Identities

Faculty Sponsor: Professor Samantha Nolte-Yupari, Art Education

Abstract: I completed an analytic, arts-based research study with strong autoethnographic qualities. I involved myself and two other artist educators whose artist educator identities differed from my own. I discussed the artist-educator model because it is one that faces scrutiny from every aspect imaginable. Individuals who have the passion for both art and education have been criticized about the very things that make up their sense of identity. I reviewed literature surrounding this topic in order to discuss the many divides that lead to this struggle. I framed my study using identity theories from Stryker, Stets, and Burke (2000) and collage theory from Garoian and Gaudelius (2008). This is necessary to mention because the majority of my study is an unmediated co-constructed narrative, in which the researcher is a focus of the story (Ellis, 2004). I worked closely with my participants in order to co-construct a collage so that we each learned something about our own artist-educator identities.

Motivation for Participating: Requirement for AED 690, Capstone Seminar

Eileen Shea (#520)

Title: Spelling Comprehension Through Movement

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: As a Clinical Assistant, I am conducting a project with a group of fourth grade students using strategies to assist them with spelling comprehension through movement. I am in a suburban elementary school, working with nine students in total, one group of four and one group of five. Through collaboration with a reading teacher, we chose a group of students we thought would benefit most from participating in this project. All the students receive Tier Two Intervention three days per six day cycle. Utilizing the school's Movement Lab, twice a week I meet with the groups to introduce and practice each selected strategy. Movement materials vary based on the focus of the spelling unit. I hope to learn if there is a positive correlation between movement and learning comprehension, in order to use these strategies in my own future classroom.

Motivation for Participating: I believe CARS is an excellent opportunity to share my understanding about my research with my peers and other professionals in my field on increasing spelling comprehension through movement.

Lindsey Shear (#521)

Title: The Benefits of Small Group Instruction for Struggling Readers based on a Scaffold Plan

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: I am currently working in an urban school district two days a week as a Clinical Assistant. My responsibilities include working on an ongoing project throughout this year where I am using interventions and collecting data on the benefits of small group scaffolded instruction. With collaboration of the reading teacher, a scaffold plan is created for each of the ELA standards throughout the different cycles throughout the school year. I teach a small group of five third grade students. At the end of each session, the students complete an exit ticket which is what I use to analyze this data to determine whether to move forward in the scaffold plan, or continue to work on that specific standard. I also work in whole class settings with the third grade, assisting the struggling readers during the whole class ELA lesson. The purpose of this project is to better understand the benefits of small group instruction with struggling readers based on the design of creating a scaffold plan.

Motivation for Participating: Requirement for Clinical Assistantship

Lisa Sipes (#522)

Title: Self identity through symbolism: Using the "I am... art prompt

Faculty Sponsor: Stephen Demanchick, Creative Arts Therapy

Abstract: A qualitative narrative study was conducted to explore symbolism for the development of self identity. The research questions asked, "What is the role of symbolism in an individual's perspective of his or her identity?" and "What are the common symbols used during the "I am..." art prompt?" The target number of participants in this study was between 2-100. The participants were selected at a college located in Western Upstate New York. A group artmaking workshop was held

with participants who were current students, faculty, or staff of the college. The participants were asked to make art based on the art prompt "I am..." and provide a one page or more written reflection. After the workshop participants were invited to be interviewed separately about their artwork, process, and their experience. Common symbolism used in the artwork were examined. Themes in the artwork, written reflection, and the answers to the interview questions were collected and analyzed.

Motivation for Participating: Requirement for CAT 532, Culm Project Seminar II

Emily Soeder, Robert Weymers, Samantha Goble, Karly Keil, Tyler Difrancesco, Manvinder Singh (#523)

Title: Utilization of Evidence Based Practice Among Modern Day Physical Therapists

Faculty Sponsor: Professor Staffan Elgelid, Physical Therapy

Abstract: In order to gain insight into how clinicians are utilizing the different components of evidence-based practice within their own clinical practice, we created a survey that was distributed to a sample of physical therapists from various regions of the United States of America. In doing so, we were able to better understand how the modern-day clinician is using evidence based practice to best serve the patients they are caring for.

Motivation for Participating: Requirement for PTR 761, Research V

Alyssa Vigianni (#524)

Title: Fashion: A Curricular Tool for Engagement

Faculty Sponsor: Professor Samantha Nolte-Yupari, Art Education

Abstract: 1. Ethnographic study of art educators, some who have and have not used fashion in their curriculum 2. I did this by creating a study, interviewing teachers and seeing lesson materials 3. I did it because I personally love fashion and am interested in its role for art education.

Motivation for Participating: Requirement for AED 690, Capstone Seminar

Jordan Weinstein, Carson Haney, Vicki Clinch, Victoria Calandriello, Lauren Vigue, Megan Corey, Gabrielle Palumbo (#525)

Title: New Horizons in Ethiopia: Supporting and Sustaining Education for Children who are Deaf

Faculty Sponsor: Professors Heather Coles and Kathy Hansen, Communication Sciences and Disorders

Abstract: This presentation represents the collaborative efforts of sixteen Nazareth College students and Visions Global Empowerment who participated in a service learning experience in Awassa, Ethiopia. Visions is a nonprofit organization that strives to bridge the gap of inequality through education by working with schools and centers all over the world. The Nazareth undergraduate and graduate students taught English proficiency and students who are Deaf in two schools over the course of one week. The Nazareth group was the first volunteer group to work in this Ethiopian city. Eleven Nazareth students worked primarily with the students who are Deaf. Those students worked to create lesson plans to use with the students and to share with the teachers. The lessons were built on sustainability with the idea that they could be used in the future. As well as promoting educational development, Nazareth students were able to learn about a different language and culture from the Ethiopian teachers and residents. Teacher training was also provided and incorporated into the service activities for the week.

Motivation for Participating: We hope to share what we learned and our experiences with the community as well as learning about the experiences and knowledge of other presenters as well.

Experiential Learning Pathway: Service Learning

Kristen Wozniak (#526)

Title: What are the symbols in the Kinetic Family Drawing today? A Pilot Study

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

Abstract: This project was completed as a part of a thesis requirement for the Creative Arts Therapy graduate degree. I am looking more closely at an art therapy assessment, the Kinetic Family Drawing, with the hopes of identifying new and updated actions, styles, and symbols surrounding the change in family dynamics, mental health, and technological advances in today's society since the development of this particular assessment. As the research student, I conducted the Kinetic Family Drawing Assessment on individual volunteer participants on campus. Each participant completed the assessment in an hour-long session. Each art response to the assessment was rated using the original interpretation manual and rating sheet provided by the creators of the assessment, Robert C. Burns and S. Harvard Kaufman. Individual actions, styles, and symbols which did not appear in the original manual were identified and noted for each drawing. Through this study, it is my hope as the student researcher to bring awareness to the importance of keeping assessments and instruments used in the field of art therapy and psychology up to date with current issues, family dynamics, mental health standards, and societal changes and norms.

Motivation for Participating: Requirement for CAT 532, Culm Project Seminar II

School of Education Graduate Capstone

Monica McCracken

Title: Inclusive Childhood Education Initial Certification Program

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: I completed this portfolio to fulfill the final project in my master's degree program. I addressed Charlotte Danielson's Framework and Technology Domains through the following three themes of: community, collaboration, and a student-centered classroom. I used a diverse range of evidence from my professional program to support my thinking and writing. This portfolio is the end assessment needed to earn my Master's in Professional Inclusive Childhood Education.

Motivation for Participating: Requirement for INCH 690, Capstone Seminar

Stephanie Mongelli

Title: Portfolio for Graduate Professional Inclusive Childhood Program

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: This portfolio was completed as the final project in my master's degree program. I addressed Charlotte Danielson's Framework and Technology Domains through an ethical lens. I provided ample evidence from my professional program to support my thinking and writing. This portfolio is the end assessment needed to earn my master's in Professional Inclusive Childhood Education.

Motivation for Participating: Requirement for INCH 690, Capstone Seminar

Morgan Sommers

Title: Inclusive Childhood Education Initial Certification Program

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: I created my portfolio based on Danielson's Framework and Technology Domains. Through my writing of each domain, self-created evidence from my professional program, and acknowledgment/citation of various theorists, I portrayed my strengths and abilities as an educator. This portfolio is the last assignment I need to complete in order to obtain my Master's Degree in Inclusive Childhood Education.

Motivation for Participating: Requirement for INCH 690, Capstone Seminar

Precious Taylor

Title: Inclusive Early Childhood Initial Certification Program

Faculty Sponsor: Professor Kerry Dunn, Education

Abstract: This portfolio was completed as my final project in my master's degree program. I addressed John Dewey's belief on classroom climate that promotes a positive and democratic environment. I have evidence I collected from previous master's courses that I will use in my portfolio to support my thinking and writing. This portfolio is the end assessment I need to earn my master's in Professional Inclusive Childhood Education Program.

Motivation for Participating: Requirement for INCH 690, Capstone Seminar

RESEARCH ROCKS.

Thank you to everyone who submitted and participated!



FIND US ON FACEBOOK
fb.com/NazarethCollege



FOLLOW US ON TWITTER
[@nazarethcollege](https://twitter.com/nazarethcollege)



JOIN US ON INSTAGRAM
[@nazarethcollege](https://instagram.com/nazarethcollege)

NAZARETH COLLEGE

4245 East Avenue, Rochester, NY 14618 • www.naz.edu • 585-389-2860