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1	**First Name**	**Last Name**	**Major**	**Minor**	**Faculty Sponsor**	**Project Title**	**Project Description**
2	Hannah	Adams	Biochemistry	Forensic Science	Jessica Fry	Isolating Mammalian DNA for Identification Of Remains	This research project aims to explore the process of isolating mammalian DNA from maggots, a technique with significant applications in forensic science, ecology, and evolutionary biology. Maggots, the larvae of flies, often feed on the tissues of mammals, making them a valuable source of mammalian DNA in situations where direct samples from the host animal are unavailable. By isolating and analyzing this DNA, researchers can identify mammalian species, track ecological interactions, and even solve forensic cases where human or animal remains are difficult to access. The project will focus on optimizing the extraction method to efficiently isolate mammalian DNA from maggot tissue, minimizing contamination from the maggots' own genomic DNA, and exploring potential applications of this method in real-world scenarios such as crime scene investigations and wildlife studies.
3	Brian	Alperson	Psychology	Art Therapy	Dr Khera	Using Social Situations to Examine Empathy	This study examined empathy among psychology majors using a survey tool. The survey tool presented students with different situations.
4	Angie	Assetts	Graphic Design	N/A	Poor-Donahue, Alison	The Build	The Build is a magazine concept inspired by a lifelong interest in both LEGO and editorial design. This project combines those passions by exploring the history and evolution of LEGO bricks in an engaging, youth focused format. Designed with younger audiences in mind, the magazine incorporates informative content alongside interactive elements, including a poster feature to enhance reader engagement. The publication covers topics such as the origins and development of LEGO, key milestones in its history, and highlights like the LEGO Avengers Tower set. Overall, the design aims to create an enjoyable and educational experience that encourages curiosity and discovery.
5	Khai	Baldwin	Sport Management	Law & Society	Natalie West	NIL and the Gender Gap: Why Football Dominates at Major Division I Universities	The introduction of Name, Image, and Likeness (NIL) has fundamentally changed the landscape of college sports. For the first time, student-athletes can profit from their personal brand while still competing at the collegiate level. This shift has opened new financial doors across college athletics, but it has also exposed inequalities that were always present particularly between football and women's sports at major Division I universities.
6	Marckenley	Belizaire	Biochemistry		Fry, Jessica and Sandor Kadar, PH.D.	experimental exploration of intracellular clausum g protein couple respecter signaling pathways.	Electromagnetic fields (EMFs) are no small part of most modern people's experience. Despite EMFs being mostly undetectable to our conscious senses; we do know that specific cell lines exposed to verry specific controlled EMFs can be influenced. EMFs are associated with bone healing [2], cancer cell inhibition [3], and a possible avenue of neuronal cell healing in the spinal column [4]. What is known of EMFs and Pulsed electromagnetic fields (PEMFs); theoretical mechanisms often link results of EMFs and PEMFs to calcium signaling [1,2,4,5]. This poster will discuss the development of assays for the monitoring of the calcium signaling with enough sensitivity to observe any difference caused by EMFs or PEMFs.
7	Max	Bernstein	AE-MSN		Dr. Coleen Toronto	On-Site Trauma-Informed Triage: Novel Harm Reduction: Approaches in Low-Threshold Homeless Shelters	The city of Boston currently operates two emergency low-threshold shelters, Woods-Mullen women shelter for women and 112 Southampton Street Shelter for men. In a novel approach under Housing First and harm reduction principles, Boston made both of these shelters low-threshold wet shelters to better suit the community and reduce the number of unsheltered homeless folks in tent encampments. Along with policy overhauls, the Boston Public Health Commission (BPHC) partnered with Boston Health Care for the Homeless Program (BHCHP) to station emergency medical triage trained harm reduction technicians overnight at these shelters operating out of the established nurse-run clinic on campus. While the presence of the technicians at the shelters was successful in reducing overdose deaths and serving the needs of the community, the efficacy of the presence of the harm reduction technicians on the community has not been assessed as a program. This project would be aimed at evaluating the effect the presence of the technicians had on the reduction of overdose deaths and unnecessary 911 activation.
8	Emma Burke	Burke	Sport and Recreation Management		Dr West	More than a game inclYOUsion through sports	My research project explores the role of sports as a tool for promoting inclusion. How structured athletic programs can create a sense of belonging, build confidence, and break down social barriers related to ability, socioeconomic status, and identity. Through a combination of studies, research and personal experiences in athletics, I looked at the impact of inclusive coaching practices and community-based sports.
9	Bella	Caiola	Psychology	Social Work	Karen Hussar	Ireland: A History of Oppression and its effects today	Throughout my time in Ireland I learned about the overall history of oppression that came from the British and how many fought and protested for their freedom. I also learned how you can still see this today with the wall that separates Belfast from the rest of Ireland. I found that this history of fighting oppression can be seen within the way that Ireland shows its support for Palestine today. I will be researching the history of Irish resistance/ oppression and throughout my project I will point out its effects particularly in relation to levels of support.
10	Chanelle	Calderon	Nursing and Psychology	Biology	Karen Hussar	Impact of the Minimum Drinking Age: Irish Culture vs. American Culture	This forum will explore the impacts of the minimum drinking age in Ireland and The United States of America. Touching on environmental factors, laws, history, culture, and scientific studies.

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11	Ellery	Campbell	Sports Management	Coaching	Dr. Natalie West	The Impact of Women's College Basketball on the WNBA	Women's college basketball has been on a steep incline over the past couple of years. Breaking records by insane amounts. These records include ticket sales, ticket demand, viewership, and more. The growth in college basketball was great for the WNBA. Players who play in college will declare and enter the WNBA draft once they graduate from their school. The WNBA has traditionally had very low ratings due to low attendance at games and low viewership. The 2024 draft after college basketball blew up, with a record-breaking 2.45 million views. From there, the WNBA has been doing things it used to dream of. There is no doubt that the impact women's college basketball has had on the influence of the WNBA. This project will show how the growth and visibility of women's college basketball contributed to the popularity of the WNBA.
12	Melicia	Carlson	M.Ed Diverse and Equitable Instruction		Dr. Amy Leshinsky	The Heart of Learning: Empowering Students with Intellectual Disabilities through Social Emotional Learning	The mental health epidemic has been plaguing the United States public education system for the last two decades. Students with Intellectual disabilities[ZS1.1] (ID) are not only more likely to have a mental health disorder than their same-age peers, but almost 50% of children with ID struggle with some type of mental disorder. They are not receiving the level of mental health interventions that are needed for them to have a meaningful quality of life. This study serves as an examination of how intentional social-emotional learning curriculum can positively impact a student with ID's quality of life if done effectively[ZS2.1]. A literature review was conducted, and three major themes arose: (1) the rising rates of mental health among students with ID and its impact on quality of life; (2) teachers' self-efficacy and its impacts on the implementation of the SEL curriculum for this student population; and (3) the practice of the self-determination theory and the impact it has on students' mental health.[ZS3.1] It is evident that an investment in social-emotional curriculum is necessary for students with ID and helps them secure a meaningful quality of life. Keywords: Intellectual disabilities, mental health, quality of life, social-emotional
13	Jenna	Cavoli	Criminal Justice	Psychology/Social Work	Karen Hussar	American Vs Ireland Prisoner Systems during the Civil War	Over my winter break I went on a mini study abroad trip to Ireland. In that time we visited a prison, and as a criminal justice major, I thought it would be interesting to talk about the prison systems in both America and Ireland. I wanted to do this because I think during the civil war, there was a lot of political prisoners in both countries, and it is interesting to see how much some laws have evolved. I think there are many differences with each prison system that are key points to bring up. This has become such a cool topic the more research I have done on it.
14	Natalie	Chaprazian	M.Ed Diverse and Equitable Instruction		Dr. Amy Leshinsky	TEACHING WITHOUT THE TOOLS: RETHINKING BEHAVIOR MANEGEMENT COURSWORK IN TEACHER PREPARATION PROGRAMS	Abstract- One challenge teachers face is effectively managing student behavior in the classroom. Teacher preparation programs are not always adequately preparing teacher candidates to manage challenging behaviors in the classroom, which can lead to teacher attrition and burnout. Despite engaging in discipline-specific coursework in teacher preparation programs, many preservice teachers feel unprepared to effectively manage student behavior, especially when addressing individual behavioral needs. This paper analyzes coursework requirements across teacher preparation programs in Massachusetts to determine if there is required, optional, or embedded coursework in the program. Findings from this study indicate that few Massachusetts teacher preparation programs require standalone behavioral management courses, but some colleges offer optional or embedded coursework within the licensure pathway. Of the thirteen programs reviewed, seven programs had a standalone required course, one optional course; one embedded course, and four had no required coursework on behavior management. Results from this study highlight a gap in teacher preparation programs and underscore a gap in higher education programs that can be improved through streamlined content focused on behavior management. It is recommended that teacher preparation programs consider adding coursework focused on behavioral management to improve teacher quality if they are not already doing so. Keywords: Attrition, behavior management, challenging student behavior, teacher preparation program, preservice teacher, licensure.
15	Skylar	Colburn	Graphic Design	Photography	Profesor Alison Poor-Donahue	Sabrina Carpenter	I created a portrait of Sabrina Carpenter using only the letters “S” and “C.” These letterforms were physically carved into soap, then inked and printed to produce unique textures. The prints were scanned into Adobe Photoshop, where they were carefully arranged to construct the final image. The process was highly detailed and time-intensive, as each individual letter was intentionally placed to build the composition.

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16	Cody	Comeau	Forensic Science		Jessica L Fry	Investigating Potential Link between Intracellular Calcium Signaling and Electromagnetic Fields	This research aims to investigate a potential connection between electromagnetic fields and intracellular calcium ion (Ca2+) oscillations. We have hypothesized that electromagnetic fields interfere with this signaling by Calcium ions and may cause cells to grow and change at abnormal levels. This project seeks evidence of a link thereof, using a slew of biochemical assays. The first assay we used was a BRET assay to analyze MCF7 cells against other MCF7 cells that had BERKY plasmids transfected into them. This assay attempted to visualize G-protein-coupled-receptor (GPCR) activation by attaching BERKY constructs to the active G-Proteins downstream of the GPCR. Downstream specific G-proteins will directly bind Calcium channels and inhibit Calcium oscillations. The BERKY construct contains a luciferase (donor/light producing) enzyme that interacts with the Green Fluorescent Protein (Acceptor) which results in light emission at a “green” wavelength. The BRET assay measured the energy transfer by spectrophotometer (ProMega). The assays showed some activity, but the results were too muddled to draw many conclusions from. The next assay we tried was a Calcium Green assay. The Calcium Green assay essentially dyed the Calcium by ligating it to a fluorescent indicator inside the cell. Then, under a camera-enabled microscope, we successfully visualized calcium entering the cytoplasm upon addition of agonist (dopamine / brimonidine). The cells briefly fluoresced green in a dark room a brief time after agonist was added. This assay is a particularly robust fluorescing agent primarily used to see changes in calcium concentrations and dynamics (Lee, 1999). The most recent assay used was a Phospho- ERK assay paired with a western blot. The compound of interest in this assay is the ERK, which is a type of kinase enzyme that is phosphorylated downstream of the active GPCR (Garbison, 2012). So the amount of p-ERK (phosphorylated form) is indirectly indicative of the amount of active G-proteins, and thus an indicator of downstream signaling (Calcium channel) activity. At present, we have not been able to visualize p-ERK bands on the Western blot membrane. However, research is expected to continue in this direction, and future findings will be reported.
17	Chiara	Conlon	Forensic Science	Data Analytics and Chemistry	Jessica Fry, PhD.	Toxic Legacies: How Drugs Alter Postmortem Breakdown in Rats	Postmortem toxicological analysis is often complicated by the chemical and environmental factors that influence decomposition rates. This study investigates the effects of common drugs, diphenhydramine, ibuprofen, and cocaine, on the decomposition of rats. Previous work in our lab focused on the entomotoxicology of insect attraction to decomposing tissues with the addition of drugs. This research showed that there is a correlation between the drug that was added to the beef liver and would alter the volatile organic compounds (VOCs) produced. With alteration of VOCs produced, it also affects what insects were attracted to it, but none specifically done on the rate of the decomposition with the addition of drugs. This research aims to assess whether the presence of list the drugs alters the rate and progression of soft tissue degradation, thereby impacting postmortem interval (PMI) estimation. Predeceased wean rats were administered drugs followed by systematic monitoring of decomposition stages using visual, olfactory, and some entomological indicators over a fixed observation period. While there appear to be some emerging trends in the data, wildlife interference and temperature fluctuations affected interpretation. This research underscores the complexity of PMI estimation and the importance of incorporating toxicological context when interpreting decomposition timelines in medicolegal death investigations.
18	Matthew	Connor	Sport & Recreation Management		Natalie West	How NCAA Rule Changes Are Reshaping Division I Hockey	This project looks at how the NCAA now allowing CHL players to play Division I hockey is changing college hockey. Before, players had to choose one path, but now they have more options. This paper focuses on how that affects recruiting, team rosters, and scholarships. Overall, it shows that college hockey is becoming more competitive and moving away from the old amateur system.
19	Noah	Coppinger	Forensic Science	Criminal Justice	Prof Jabbour	Comparing Shell Casings to Find Matches	I was assigned 30+ shell casings with distinct and different firing pin imprints as well as very calibers. Using two known shell casings I compared all the given shell casings as if they were all found at the scene of a shooting. My job was to determine how many shots were fired and which gun produced which shell casings (the guns we’re not real and the two simulated firings to achieve exemplar casings were randomly picked from the pile of casings before I was assigned the casings).

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20	David	duKor-Jackson	M.Ed Diverse and Equitable Instruction		Dr. Amy Leshinsky	ACADEMIC PERFORMANCE DIFFERENCES: EXPLORING THE IMPACT OF ENVIRONMENTAL FACTORS ON OBSERVED ACHIEVEMENT VARIANCES BETWEEN STUDENTS FROM DIFFERENT DEMOGRAPHIC BACKGROUNDS	The precipitous decline in the enrollment of underrepresented minority students at many of the nation's most selective colleges and universities after the United States Supreme Court banned the consideration of race in college admission decisions in the 2023 Students for Fair Admissions (SFFA) v. Harvard decision has laid bare the persistent demographic performance differences that impact preparation and eligibility for advanced collegiate study. A possible solution to the challenge of diversifying college campuses and the professional workforce may be found by identifying the factors that contribute to demographic performance differences evident throughout K-12 education. This paper examines demographic performance differences and interventions from a variety of perspectives utilizing Bronfenbrenner's Process-Person-Context-Time (PPCT) Model as a framework. A review of the literature reveals several key themes: (1) demographic performance differences have persisted for decades and appear by the time students enter kindergarten; (2) the way the differences are framed impacts attitudes, particularly among educators who are working with students; and (3) the differences are influenced by a variety of environmental factors including educator attitudes, in addition to access to opportunities and resources. Based upon the literature, a fundamental educational paradigm shift is required to disrupt systemic injustice and diversify college campuses. This work, therefore, is a call to action to eliminate persistent academic performance differences between demographic groups through comprehensive interventions that begin as early as possible, provide support throughout student's educational journeys, and address a range of environmental factors, including inequitable access to opportunities and resources, which constrain student success.
21	Jack	Dunn	Sport & Recreation Management and Business Admin		Dr. Natalie West	Should Minor Leagues Mean Minor Pay: How is Milb Financial Instability Affecting Players	Therefore, the research that is going to be presented is about the the laws and acts that has made it for players to live in poverty, psychological aspects of the minor leagues, stories from players that were found in various articles, how a trainer sees her view on the low wages aspect, and how playing in college is better than the minors, and how it has gotten better, but what still needs to be done today in order to save an important aspect of the game that people love where people consider it to be a dying sport.
22	Mckenzie	Erickson	Sociology	Psychology, social work	Dr. Amanda Kennedy	Food insecurity	How food insecurity is still a concern and what it does to are bodies when we don't eat. Also how it differs in majority and minority areas
23	Jessica	Especiato - Monteiro	Graphic Design		Alison poor-Donahue	New England Botanic Garden Advertisement	This piece is a digitally illustrated advertisement, rendered in a watercolor style, for a wedding venue at the New England Botanic Garden. The composition features a bride holding a bouquet composed of succulent flowers, each thoughtfully designed to reflect the beauty and elegance traditionally associated with weddings. The advertisement aims to appeal to prospective brides by emphasizing a romantic, nature-centered setting, highlighting the venue as an ideal location for a wedding surrounded by lush, distinctive floral elements.
24	Eric	Flynn	Sports & Recreational Management	Communications	Sports Psychologist	How does the type of sport an athlete plays influence their mental, physical, and emotional stress levels?	This paper looks at how different sports affect an athlete's mental, physical, and emotional stress. Athletes feel stress in different ways depending on whether their sport is a team sport or an individual one, and whether it involves contact or not. Sports can improve health and confidence, but they can also create pressure that leads to stress. This has become a bigger issue in college athletics, where the demands are high and burnout is common. Because of this, sport managers play an important role in watching for signs of stress and supporting athletes' mental health so they can perform well and stay healthy overall.
25	Allyson	Foye	Graphic Design	Marketing	Alison Poor-Donahue	Form & Folio	Form & Folio is a brand inviative that started as a case study to practice branding and logo development. However, it turned into a legitimate service on etsy where self-improvement templates, digital downloads, and printable pdfs are available for purchase. Every item, along with the brand and the listings, are designed to help improve and organize one's life through minimalist templates, sheets, and guides. The shop is live and kits are available for purchase at www.etsy.com/shop/FormAndFolioCo
26	Mikalia	Gallimore	Biology	Psychology, Chemistry	Jessica Fry	Analysis of the Effectiveness of Reducing Bacteria on the Teeth with Waterless Toothbrush	The mouth consists of a complex microbiome that influences oral and overall health. Disrupting the microbial balance is linked to diseases such as gingivitis, periodontal disease, and cavities. Toothbrushes and toothpastes are normally the preferred oral items that are utilized. However, if the usual hygiene products are not accessible, an alternative option such as waterless toothbrushes may be utilized. This study observes the effectiveness of waterless toothbrushes compared to toothbrushes and toothpaste. Teeth swabs were collected before and after cleaning, samples were serial diluted and plated to quantify bacterial presence. The colony-formed units were calculated. Based on our results, the toothbrush and toothpaste usage increased the bacterial colonies on the teeth in 3 out of 4 students. The results also indicated that 2 out 4 of the participants had a decrease in bacterial colonies on the teeth after using a waterless toothbrush. Findings from previous research showed a decrease in CFU with the waterless toothbrushes, suggesting that waterless toothbrushes are effective in maintaining oral hygiene

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27	Reilly	Ganter	Public Health & Wellness	Biology	Colby Zongol	SNAP Mental Health Program Proposal	It is a program proposal focusing on the mental health of SNAP benefit users. I created a program proposal to show the steps that participants would take to create better health outcomes. I used models that I have learned in all of my public health classes to be able to reach the target audience and measure their progress using different evaluation data. Depression is a major health issue within this community, but the stigma and health behaviors behind it are what stops them from getting the help that they need. By creating this plan and proposal for them, it will essentially give them what they need from start to finish, even if their starting point is not realizing they are struggling with depression.
28	Robbie	Gavin	Grpahic Design	Photography	Alison Poor-Donahue	Bert and Ernie Tissue Packaging	This project features a series of tissue box designs inspired by Bert and Ernie from Sesame Street. Developed for use in children's bedrooms or family-oriented spaces, the packaging combines functionality with playful character driven design. The boxes are structured to stand upright, creating a distinctive visual presence. Tissues are dispensed through the characters' mouths, adding an interactive and engaging element to the user experience. Each design adheres to the standard dimensions of a rectangular Kleenex style tissue box, ensuring practicality while enhancing everyday objects through imaginative design.
29	Logan	Gibbons	Finance & Accounting	Economics & Math	Ishani Tewari	Demographic and Academic effects on Major Choice	The inspiration of this project was the large discrepancy between the makeup of female students in our business school compared to the national average. Our school is around 20% female students while the national average is about 50%.This project uses student demographic and academic data provided by the registrar. The population of the data consists of students who matriculated between the years of 2012 and 2022. After cleaning the data and breaking down the observations by major group I ran a regression including variables like gender, high school GPA, and more. This allowed me to find which factors impacted students picking specific majors. The next step in this project is to survey students in entry level course to find out more on their school and major choice process.
30	Bernie	Green	Early Education	Early intervention and special education	Karen Hussar	Final project	The education in Ireland verses United States/America.
31	Jathan	Greene	SRM		Dr. Natalie West	SRM Sr Sem Research Project	
32	Ethan	Grumbach	Graphic Design	Photography	Alison Poor-Donahue	New England Aquarium Rebranding	This is an ambitious attempt to rebrand the New England Aquarium in Boston, Massachusetts. My intent behind this project was to build a new creative image of an existing organization while remaining faithful to the brand guidelines, intended vision, and mission statement.
33	Andre	Hamilton	Graphic Design		Alison Poor Donahue	The Big A	The Big A is a typographic portrait project that explores form, repetition, and material experimentation through a single letterform. Using only the letter "A," the student hand-carved the character into soap to create a custom printing block. The carved form was then inked and repeatedly printed, producing a range of organic textures and variations. This print was digitized and brought into Adobe Photoshop, where the individual "A" forms were carefully arranged to construct a larger, cohesive image. The composition relies on scale, density, and placement to build visual depth and definition, demonstrating how a single, simple form can be transformed into a complex and expressive portrait. The process is both meticulous and concept-driven, emphasizing patience, craftsmanship, and the relationship between analog mark making and digital composition.
34	Kylie	Howley	Nursing	Psychology	Karen Hussar	A Tale of Two Systems: Healthcare Access and Equity in the United States and Ireland	This project will examine the stark disparities withing healthcare between the United States and Ireland, with a focus on how system design shapes access, equity, and outcomes. While the U.S. spends more per capita on healthcare than any other high-income nation, its heavy reliance on privatized healthcare and insurance with market-driven coverage results in significant gaps in affordability, access and continuity of care. Ireland contrasts with its tax-funded universal healthcare model distributing resources more equitably and reduces financial barriers.
35	Mackenzie	Husson	Biochemistry	Sociology	Dr. Walker	Examination of EGF Dependent Amphiregulin Secretion in MCF7 Cells	Breast cancer is one of the most diagnosed cancers in the United States with over 300,000 new cases of invasive breast cancer diagnosed in 2024 (Wagner, 2023). The mammary gland is a highly specialized organ developed on each side of the chest wall that are known to undergo proliferation and remodeling during development and puberty, where epithelial ducts infiltrate the stroma tissue and have created branching networks with estrogen, progesterone, and growth hormones involved (Yusuf, 2025). Epithelial cells within mammary glands are organized in excretory structures with epithelial monolayer in order to surround the lumen. Features of cancer epithelial cells involve the disruption of normal cell polarity and loss of organization in the epithelial cell tissue. CRB3, a polarity protein in mammalian epithelial cells, is known to support tight junction formation and maintain apical polarity, and previous work showed a connection between CRB3 overexpression and cell proliferation in the MCF-10A mammary epithelial cell lines (Walker 2018). CRB3 overexpression led to EGF-independent proliferation through alterations in the secretion of amphiregulin. Here, we examine amphiregulin secretion in MCF-7 mammary epithelial cells to establish conditions under which the cells would secrete amphiregulin in response to EGF, with the future goal of assessing the role of CRB3 on proliferation in the MCF-7 cell line.

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36	Alexander	Israel	Sport & Recreation Management		Natalie West	Life After Sport: Transition, Identity, and Career Paths of Athletes Post-Competition	I wanted to answer the question of what athletes do with their lives after they transition from playing sports, whether through retirement, injury, or college graduation. This poster answers this question by finding sholary article and other written material that address what happens to athletes both socially and financially after they stop playing sports. It is important to research this topic because many former athletes struggle with their social identity and finances after being thrust into a life without sports.
37	Julia	Jeune	Environmental Science and Sociology		Dr. Wade	Duckweed Sterilization	This study investigates how different sterilization methods influence the successful introduction and growth of wild duckweed in laboratory conditions. Duckweed samples were collected from multiple locations and included different species, which were subjected to two distinct sterilization protocols. Following sterilization, samples were grown under varying nutrient concentrations to assess differences in growth performance. Additionally, a mixed-species condition, in which multiple duckweed species were cultured within a single Petri dish, was used to observe potential interactions such as competition or coexistence under controlled conditions.
38	Julia	Jeune	Environmental Science and Sociology		Dr.Wade	Green Space Development : Curry College	This study examines the importance and feasibility of green space development at Curry College by analyzing existing models and practices at comparable colleges and universities. A content analysis was conducted using benchmarking data from peer institutions to identify common strategies, design approaches, and implementation frameworks. These findings were then applied to assess how similar initiatives could be adapted to Curry College's physical layout, institutional priorities, and campus needs.
39	Angelina	Jewell	Graphic Design	Marketing	Alison Poor-Donahue	Time Magazine – Editorial Concept	The New York Times Magazine Labs produces distinctive, visually driven, print-only broadsheet sections, including The New York Times for Kids, a monthly publication released on the last Sunday of each month. Since its launch in 2016, this series has become a highly anticipated feature of the Sunday paper. This young readers edition draws inspiration from that format, presenting an original publication focused on the topic of fast fashion. The piece emphasizes strong visual storytelling and editorial design, aligning with the engaging and informative style characteristic of The New York Times Magazine Labs.
40	Deanna	John	Biology	Chemistry	Dr. Fry	Comparing oral bacterial growth in different regions of the mouth before and after chewing gum	This research project will investigate the efficacy of oral hygiene products, such as chewing gum and portable toothbrushes, in inhibiting bacterial growth associated with dental cavities, gingivitis, and candidiasis. A series of controlled experiments was performed to collect oral samples, culture bacteria, and observe bacterial growth. A quantitative analysis of colony formation revealed significant differences in antimicrobial activity specifically between the surface of the teeth and the cheeks. The results from the study will provide evidence that chewing gum is not as effective at inhibiting bacterial growth in the cheeks as it is in the teeth.
41	Sarah	Kerr	Biochemistry		Stephanie Walker	Refining the Immunofluorescence Protocol for the Visualization of MCF7 Cell Vesicle Trafficking	Infiltrating ductal carcinoma, the most common breast cancer diagnosis, begins in the milk duct and spreads to the rest of the body (Sharma et. al., 2010). The milk duct consists of polarized epithelial cells. LLGL2 and CRB3 are two proteins that create and maintain cell polarity in epithelial cells (Chamlers et. al, 2005). In past research, using MCF-10A cells, CRB3 overexpression resulted in hyperproliferation, as well as increased vesicle trafficking and vesicle size. Knocking down LLGL2 had the same result (unpublished). This was induced independently from normal cell proliferation controlled by EGF, as CRB3 overexpression yielded an increase in amphiregulin release to cause this proliferation (Walker, 2018). The relationship between these proteins and their impact on cell trafficking is an interest, as altered vesicle proliferation could relate to tumorigenesis (Taylor and Gercel-Taylor, 2011). The current research looks to refine an immunofluorescence procedure for quality imaging of breast cancer cells vesicles, allowing for the visualization of LGLL2 knock-out induced changes in vesicle size and dispersion. MCF7 cells were chosen to investigate whether the effects of LGLL2 knock-down in MCF10-A cells could be replicated in other mammary cell lines.
42	Cheryl	Kohl	Public Health and Wellness, Public Relations		Dr. Colby Zongol	Intervention for Depression in Female College Students	My project is a Public Health program proposal aiming to address depression in female college students using the PRECEDE-PROCEED model. By looking at how alcohol consumption affects depression and creating intervention activities informed by the Health Belief Model to address alcohol consumption, this proposal aims to reduce alcohol consumption, and subsequently depression rates, in female college students. Extensive research was done to connect alcohol consumption to depression in female college students, find environmental factors, at-risk subgroups, and inform other important aspects of the proposal.

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43	Morgan	Lawler	Biology	Forensic Science, Chemistry, and Mathematics	Elizabeth Wade	Genetic identification of Green Lacewings in the cryptic Chrysoperla carnea-group	The Chrysoperla carnea-group, also known as the Common Green Lacewings, includes 22 species that are morphologically indistinguishable from each other. We know of these cryptic species based on their behavioral, classification, and environmental differences. Each species has their own song that males and females sing during courtship. Identifying every species can take a long time and a lot of equipment, which can make it difficult to get the full DNA sequences of every species. For this project, we are trying to identify nuclear genetic markers that distinguish the different species of the Common Green Lacewings group from each other using DNA sequences. To do this, we are extracting the DNA of different C. carnea-group species and amplifying the same region of DNA for each species. Then, we will send these samples to get sequenced in order to identify the differences in the DNA sequences of the different species.
44	Saidhbhin	Linehan	Psychology		Karan hussar	College life: United States vs Ireland	College life in the United States and Ireland is different in many ways, this includes social life, sports and grading systems. In the United States, social life is usually centered around Greek life and clubs, while Ireland is more relaxed and more centered around casual interactions and shared interests. College sports in the United States are highly competitive and spirited with mascots and cheerleaders while Ireland sports is more of a hobby. Lastly, the grading system in the United States is mainly focused on frequent assignments and midterms/finals, while Ireland usually only is centered on final exams.
45	Janette	Lopez	Graphic Design		Alison Poor-Donahue	Penguin Crimes	“Penguin Crimes” is a packaging design concept for a blind box series featuring penguin characters humorously depicted committing various “crimes.” The design balances a playful, comedic tone with a visually appealing, marketable aesthetic. Each penguin is uniquely named to correspond with its mischievous act, and these characters are showcased along the sides of the packaging to encourage curiosity and collectability. The color palette draws inspiration from the cold, icy environments typically associated with penguins, reinforcing the thematic context. While lighthearted in concept, the packaging remains functional and effective, clearly presenting essential product information while engaging consumers visually and prompting interest in purchase.
46	Odalys	Lopez-Padilla					The soil environment represents one of the largest natural reservoirs of both microbial diversity and antibiotic resistance genes. If a decomposing animal is present, biochemical changes in the soil due to the decay process will in turn change the soil microbial community. Previous research has indicated that soil bacteria resistance increases as decomposition proceeds, though most evidence comes from sequencing data. In this study, the effect of a decomposing organism on soil bacterial antibiotic resistance was examined using culture techniques across three stages of decomposition: fresh, active, advanced decay. I hypothesized that during decomposition, soil will result in an increase in the percentage of tetracycline resistant bacteria in the environment of microbial communities. Soil samples were collected from the microcosms containing either soil alone (control) or soil with a decomposing mouse and then serial diluted and plated on R2A agar with or without tetracycline. To calculate for colony forming units (CFU’s) were counted on both sets of plates in order to determine the percent resistance to tetracycline. In contrast to the hypothesis, the highest level of tetracycline resistance in the soil happened during the fresh stage of decay. All control samples showed low tetracycline throughout the experiment. Indicating that the initial presence of the deceased mouse may have introduced tetracycline resistance bacteria. This experiment needs to be repeated and tested with other antibiotics to determine an increase in the percentage of tetracycline resistant bacteria in the environment of microbial communities.
47	Neika	Louissaint	Biology		Elizabeth Wade	Olfaction Gene Evolution in Green Lacewings (Chrysoperla carnea-group) and Its Role in Pest Control	Green lacewings are beneficial insects used in agriculture to control crop pests like aphids. These insects rely on their sense of smell (olfaction) to find food and interact with their environment through chemical signals. In this study, green lacewings in the Chrysoperla carnea- group of cryptic species were analyzed to assess gene evolution of olfaction receptor genes. These genes are the blueprint for creating cell receptors that enable smell and taste for these insects. DNA was extracted using a spin column method. DNA quality was checked using a Nanodrop, and gel electrophoresis confirmed the presence of DNA. PCR was then used to amplify olfaction receptor genes. Understanding how green lacewings respond to chemical signals can help improve their use in biological pest control and reduce the need for pesticides.

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48	Caitlin	Lyford-Byrne	Biochemistry		Dr. Jessica Fry	Isolating Mammalian DNA for Identification of Remains	This project explores the potential of extracting DNA from maggots to assist in identifying human victims in cases of severe decomposition when traditional methods of identification are not feasible. Improving methods for this process can ultimately contribute to more accurate and efficient victim identification in criminal investigations. Further investigation enhances these practices by identifying in what condition, and at what stage of life can DNA be most effectively extracted from a maggot for isolation and identification. This study aims to refine techniques for DNA extraction from maggots, assess the reliability of results, and evaluate usefulness in forensic investigations. The primary practice in this research is extraction of DNA for PCR and gel imaging. Qiagen extraction uses spin-column technology to provide high quality DNA quickly and easily for Nano Drop and PCR sequencing. Preserved maggots in this study are in the wandering thirds stage in which they have stopped feeding and moved away from the food source. Collect maggots are stored and preserved in three different methods: no preservation, ethanol, and blanched. At this point, nanodrop has determined that fresh specimens provide the highest concentration of DNA, however when amplifying and imaging it was determined that even very small concentrations can be identified for use.
49	Anna	Malboeuf	Graphic Design	Photography	Alison Poor-Donahue	American Girl Editorial	This editorial piece highlights a Swarovski Crystal collaboration with American Girl, blending elements inspired by Disney princess aesthetics and vintage Barbie iconography. The composition celebrates vibrant color, sparkle, and playful nostalgia, creating a visually rich and dynamic presentation that reflects the imaginative spirit of the brand.
50	Maddy	Marsh	Graphic Design		Alison Poor-Donahue	Spring Appeal Postcard	This project was completed as part of my internship with the Photographic Resource Center (PRC). A team of graphic design interns was tasked with developing a 6×9 postcard concept for PRC's annual Spring Appeal. My work was selected for the dynamic front cover, which integrates key elements of the PRC brand, as well as for the back design, recognized for its clear and effective presentation of information. Throughout the design process, I prioritized the viewer's experience, creating a layout that is intuitive and easy to navigate while effectively conveying PRC's visual identity and tone.
51	John	McGurty	Graphic Design	Photography	Prof. Alison Poor-Donahue	London Calling	In developing this piece, I focused on incorporating iconic and easily recognizable symbols associated with London. The design includes elements such as a passport, intended to evoke the concept of travel and immediately place the viewer in a global, exploratory mindset. Through these visual cues, the poster aims to capture the essence of London as an international destination.
52	Roosevelt	McMillan	Sports & Recreation Management	Law and Society	Natalie West	How does Season-Ending Injuries affect the Mental Health of College Athletes	The project is about the mental and psychological side of student athletes, and the different ways the athletes are able to cope with rehabbing their injuries. The project also highlights the lack of attention and help the student-athletes receive in the NCAA.
53	Grace	McTighe-Tassinari				Differences in Dining Comparing Restaurant Culture in Ireland and The United States	This project compares the main differences between restaurant culture in Ireland and The United States. It focuses on billing and tipping expectations and shows how in Ireland, taxes are included in the bill and tipping is not required and can in fact be taken as an insult. It shows how in Ireland customers need to ask for the bill and isn't given automatically. The project shows how in The United States tipping is usually expected and you tip after you get the bill. The bill is automatically brought to you after the workers see that you're done with eating. Overall, this project shows the cultural norms and how it shapes people's dining experiences in both countries.
54	Alyssa	Meier	Sociology	Public health and wellness and social	Karen hassur	Ireland vs America college sa Ed and prevention	It's supposed to be Ireland and America with education intervention around SA
55	Jack	Menard	Forensic Science	Chemistry	Nan Chen	Synthesis of Diphenhydramine metabolites	Diphenhydramine is an antihistamine found in common allergy relief medications. When Diphenhydramine is taken orally, the drug metabolizes in the liver into several metabolites. 2-(benzhydryloxy) acetic acid and ethyl (2-(benzhydryloxy)acetyl) glycinate are two metabolites of diphenhydramine. In this project, 2-(benzhydryloxy) acetic acid and ethyl (2-(benzhydryloxy)acetyl) glycinate were synthesized for use in later forensic studies. The forensic studies, done by a peer, seek to analyze any change in the rate of decomposition when diphenhydramine metabolites are injected into rats. The rats will be injected with an individual metabolite after death and will be placed outside in cages for the examination of the rate of decomposition. The objective was to synthesize diphenhydramine metabolites that could later be able to be used in the desired forensic studies. 2-(benzhydryloxy) acetic acid was successfully produced, purified, and analyzed for further use in the desired experiments. Ethyl (2-(benzhydryloxy)acetyl) glycinate was not produced in a manner that was fit for testing in the desired experiments. Further metabolite synthesis will have to be done by future researchers in order to synthesize the remaining desired diphenhydramine metabolites for future use.
56	Caitlin	Moniz	Biology	Sociology	Dr. Nowicki	Oral Hygiene on-the-go: Comparing the Effectiveness of Chewing Gum vs. Waterless Toothbrushes at Eliminating Bacteria on Teeth	The purpose of this project is to examine whether portable oral hygiene methods can effectively reduce harmful oral bacteria and support overall dental health when traditional brushing and flossing are unavailable.

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57	Dylan	Nash	Environmental science	No	Assement of drinking water quality across campus locations using LC-MS and basic water	Hydrology and water flow dynamics in balster brook and wetland	Wetlands and ephemeral streams feed interconnected ecosystems that regulate water quality and sustain a wide range of organisms through water availability and continuous nutrient cycling. This study examines the hydrology of the Balster Brook–wetland system on Curry College's campus through year-round monitoring of pH, temperature, dissolved oxygen, conductivity, water depth, and flow rate. We also evaluate sediment–water dynamics at multiple locations to understand how these conditions shift across seasonal changes. During high-flow events, sand concentrations can reach nearly 450,000 ppm, increasing fluid density, intensifying erosive forces, and raising future flood risk through sediment deposition. These processes are characteristic of intermittent rivers and ephemeral streams where flow cutoff disrupts hydrological connectivity and complicates ecological succession and nutrient cycling. Because many ephemeral streams, like Balster Brook, are poorly modeled, improved monitoring strategies are essential for predicting long-term changes in these vulnerable systems. Additionally, aesthetic maintenance practices on a private campus such as Curry may inadvertently modify or suppress ecological processes that would otherwise occur naturally within the wetland system. Understanding the dynamics of water flow through wetland environments allows us to assess natural fluctuations in temperature, water quality and water level over time. The objective of our research is to understand natural water-flow dynamics in an ephemeral stream-wetland system and how these patterns are changing over time. Water quality on a college campus is something people do not really think about, but it can actually have real effects on health, especially for athletes who rely on consistent hydration. At Curry College, water comes from multiple buildings and locations across campus, which means there is potential for variation in chemical composition depending on infrastructure, plumbing, and environmental factors. Water quality on campus has likely been changing for years, and while we know pipes are replaced over time, we do not truly know when changes occur or how consistent the system is across locations. Even with improvements, modern issues still exist. Combined Sewer Overflows (CSOs) can release untreated sewage into waterways during heavy rain, and stormwater runoff can carry pollutants like road salt, fertilizers, and trash into water systems. These human influences continue to impact overall water quality. The purpose of this study was to determine what is present in Curry College water and whether certain buildings have components that could potential impact on athlete health. This question came from noticing differences in taste, location, and usage across campus, and wanting to understand if those differences reflect actual chemical variation. By testing water from multiple locations on both the north and south sides of campus, this study aimed to compare water quality and identify any patterns.
58	Dylan	Nash	Environmental science		Wade Elizabeth	Hydrology and Water Flow Dynamics in Balster Brook and Wetland: Insights from Curry College, Milton, MA Catty College, Department of Science & Math, Miton MA 02181	Wetlands and ephemeral streams that feed specific ecosystems that regulate water quality and support the microbial communities in a continuous cycle. This study examines the hydrology of the Balster Brook–wetland system on Curry College's campus through year-round monitoring of pH, temperature, dissolved oxygen, conductivity, water depth, flow rate, nutrient levels, heavy metals, and wildlife activity. We also evaluate sediment–water dynamics along with the distribution of nutrients at multiple locations to understand how these conditions shift across seasonal changes. During high-flow events, sand concentrations can reach nearly 450,000 ppm, increasing fluid density, intensifying erosive forces, and raising future flood risk through sediment deposition. This complex processes in (IRES) intermittent rivers and ephemeral streams, where flow cutoff disrupts hydrological connectivity and complicates ecological succession. Because many IRES are poorly modeled, improved monitoring strategies are essential for predicting long-term changes in these vulnerable systems. Additionally, aesthetic upkeep on a private campus like Curry may alter or suppress ecological processes that would naturally occur within the wetland.
59	Keelie	Olkovikas	Forensic Science	Criminal Justice	Dr. Fry	The Influence of ADAM9 on Breast Cancer Cell Migration	Breast cancer is the second leading cause of death in women. Cell migration is important to breast cancer migration because of metastasis. The purpose of this research is to determine how much of an influence ADAM9 has on breast cancer cell migration using MCF7 epithelial breast cancer cells. This research consists of transfecting the epithelial breast cancer cells with either ADAM9 or EXGFP, then wounding the monolayer of cells by scratching with a pipette tip. The migration of the cells back into the scratch is observed after 24 hours. ADAM9 sheds proteins from the cell surface layer to regulate cell adhesion which leads to signaling growth factors. We hypothesize that overexpression will decrease the migration of MCF7 cells.

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60	Leanne	Pearson	Diverse and Equitable Instruction		Amy Leshinsky	Increasing Engagement: How Educators Can Guide Students to Re-center and Re-engage	In middle school math classrooms, students often disengage from the curriculum during class, which can lead to a decrease in math growth and achievement. Middle school math teachers need a greater understanding of the causes of disengagement to help students overcome challenges they face in the classroom and to help students re-center their attention. A literature review on math education underscored several neurological-based factors that contribute to student disengagement: math anxiety, self-efficacy, learning differences, and language differences. When viewing the research through the lens of Cognitive Load Theory, there are implications for how classroom teachers can understand and minimize the cognitive stressors that students experience, and therefore, guide students to mitigate some of the extraneous load to make space for learning. This work provides three recommendations for math teachers to reduce student disengagement that occurs due to cognitive load, and re-center focus on math education. These recommendations include strengthening social emotional skills, implementing literacy strategies in the math classroom, and using lesson supports such as multiple representations and regular fluency practice. These strategies may not only help ease the extraneous stimuli but also help in the management of the germane load. Keywords: Math anxiety, Cognitive Load Theory, self-efficacy, learning differences, language barriers, math achievement, math growth
61	Jake	Perrotte	Sports and Recreation Management	N/A	Dr. Natalie West	Wha impact do sports have on a kids mental and educational development.	Examine how participation in sports affects children's mental health and academic development. It argues that while sports can build confidence, life skills, and school success, their impact depends on factors like pressure, environment, and support systems.
62	Abby	Pierre	Biology	Math, Chemistry and Sociology	Dr. Elizabeth J. Wade	Adaptation Through Smell: Evolution of Olfactory Receptor Genes in Green Lacewings (Chrysopidae: Chrysoperla)	Green lacewings in the genus of Chrysoperla, are important biological control agents that reduce crop pests and limit the need for chemical pesticides (Aldrich & Zhang, 2016). Although many species appear physically similar, they rely on chemical communication rather than morphology for species recognition and reproduction. Lacewings use pheromones to locate mates, which are detected by olfactory receptors in the antennae. These receptors are coded by olfactory receptor genes that allow insects to perceive environmental chemical cues. The evolution of these genes plays a key role in adaptation, communication, and species divergence. This project investigates how olfactory receptor genes have evolved in Chrysoperla to better understand the relationship between gene expression, olfactory function, and behavior.
63	Zoe	Ratcliffe	Forensic Science		Elizabeth Wade	Trash distribution patterns on the Curry College campus and soil microplastic analysis	Littering is a very common and visible form of human impact on the environment and plastic pollution is an increasing environmental issue. When plastic degrades in nature, the original piece breaks up into tiny fragments which then break down further. Microplastics (<5mm) accumulate in the air, water and soil, they pose many risks to the health of our planet, including humans. Urban spaces, like college campuses, are large sources of plastic pollution and microplastic contamination due to the large population densities and their littering habits. This research aims to quantify, collect and categorize the trash pollution at specific locations around Curry College Campus. In doing this, the distribution and flow of trash pollution around campus is clear. The littering habits of the student population can also be clearly seen when mapping this data. Plastic was found to be the most common type of littered trash around campus. This research also aims to test samples of soil at these locations for microplastics. Comparing the accumulation levels in the soil at different locations will show where the highest contamination is. The collection data and microplastic data can be compared to show the influence the littering habits on campus have on the contamination levels.
64	Icarus	Robarge	Graphic Design	Sociology	Alison Poor-Donahue	SkrumSkript	SkumSkript is a custom, hand-drawn typeface developed as a comprehensive case study and final project for Typography I. The process involved several weeks of research, sketching, iteration, and refinement, culminating in a fully realized decorative typeface produced in Adobe Illustrator. Throughout the project, I explored multiple typographic directions, continuously testing and improving form, structure, and visual consistency. Despite setbacks, including the loss of work mid-project, I rebuilt and strengthened the final outcome. The completed typeface was then applied within a fully developed advertisement for a selected brand, demonstrating its functionality and visual impact in a real-world context.
65	Liv	Rowell	Graphic Design	Photography	Alison Poor-Donahue	Dave Matthews	This project is a stylized digital portrait developed using a geometric, low-poly design approach. By deconstructing the subject's face into simplified shapes and layered tonal values, the piece emphasizes structure, light, and shadow over intricate detail, resulting in a bold, contemporary interpretation of realism. A restrained color palette and flat background direct focus toward the subject's facial features and expression, while the angular forms introduce depth and visual interest. Overall, the work investigates how visual complexity can be effectively conveyed through simplification, merging traditional portraiture with contemporary graphic design practices.

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66	Megan	Sawatzky	Sport & Recreation Management, Business Administration	Marketing	Dr. Natalie West	Turning Points: Factors Affecting Youth Sport Participation & Retention	This project explores the causes, trends, and industry problems connected to dropping participation and retention rates in youth sports, including the main "turning points" when athletes decide to remain in, or drop out of their sport. Examining these trends through existing studies, several impacts are discussed including environmental factors (parents, coaches, teammates), discriminatory barriers (financial, gender, race), and overall engagement. Specifically with retention rates, a major turning point is in adolescence, while initial participation is dropping more in some sports than others. Upon understanding these factors, this project also uses those insights to propose potential solutions in order to improve these rates. Aiming to fix or at least minimize the most pressing factors, while using athlete-centered strategies catered to different sports develops solutions focused on long-term engagement. Wholistically, this project stresses the importance of addressing declining youth participation and retention in order to prioritize the sustainability, diversity, and enjoyment of sports.
67	Kate	Shea	Graphic Design	Marketing	Alison Poor-Donahue	The Human Body	The Human Body is a digital illustration created in Adobe Illustrator. The piece explores the complexity of human anatomy by layering internal organs to create a composition reminiscent of a paper-cut aesthetic. Through this approach, the work emphasizes depth, structure, and the interconnected nature of the body's internal systems.
68	Olivia	Skomro	Graphic Design		Alison Poor-Donahue	Culinary Magazine	The editorial explores the culture, history, and food of Boston's Chinatown, highlighting how the neighborhood serves as a vibrant hub of cultural heritage. It focuses on the different diverse areas such as restaurants, markets and discusses its historical roots dating back to Chinese immigrants in the 1870s. The challenges Chinatown faces are rising property values and urban development, while pointing out the importance of preserving this historic and culturally rich neighborhood.
69	Marvin	Ssebagala	Public Health, Psychology	Biology and Criminal Justice	Colby Zongol	Addressing Depression Among College Freshmen in the United States	This project focuses on addressing depression among college freshmen, a group that often experiences high levels of stress during the transition to college. Many students do not think about how common depression is among freshmen or how factors like social isolation and poor sleep habits contribute to it. This program aims to increase awareness of mental health, promote healthy behaviors such as social engagement and consistent sleep, and provide supportive resources on campus.
70	Ella	Stein	Criminology and Criminal Justice		Karen Hussar	Psychology: Global Perspectives Presentation	I'm going to give a presentation on the difference between policing in America vs. Ireland!
71	Finn	Sullivan	Business Administration & Sports and recreation management	Coaching	Dr Natalie West	Betting on Integrity: How Legalized Sports Gambling is Reshaping Professional Sports Governance	My Project is for senior seminar and how sports gambling has quickly taking over sports media and integrated itself into the games. What was once illegal is now mainstream and a huge aspect of the sports industry.
72	Alyssa	Torrey	Biology	Chemistry, Mathematics, Sociology	Jessica Fry	Investigating the Role of Sirtuin-1 in Actin Network Formations in MCF-7 Breast Cancer Cells	Breast cancer is one of the most common and deadly cancers in women, due to metastasis driven by changes in cell motility and invasion. These processes rely on the actin cytoskeleton, which controls cell shape and movement. Sirtuin-1 (SIRT1), a NAD -dependent deacetylase, has been linked to metabolism, DNA repair, and stress response, and may also regulate actin dynamics. This study investigates how SIRT1 activity affects actin organization in MCF-7 breast cancer cells. We hypothesize that SIRT1 inhibition will disrupt actin filament organization, while activation will enhance filament stability. MCF-7 cells are cultured and stained to visualize actin structures using fluorescence microscopy. Findings may reveal how SIRT1 influences cytoskeletal organization and identify potential targets for limiting cancer cell motility and metastasis.
73	Genesis	Velazquez	Marketing	Graphic Designer	Professor Donahue Alison	Balance In Three Forms	This project explores the concept of "balance" through a series of three posters, each communicating a distinct purpose: practical, poetic, and persuasive. The practical design conveys the idea of balance in a clear and direct manner, while the poetic interpretation employs metaphor and imagery to evoke deeper meaning and emotional resonance. The persuasive design, in turn, encourages viewers to recognize and seek balance in their own lives. Collectively, these works demonstrate how the meaning of a single word can shift depending on visual context, intent, and communication style.
74	Patrick	Venuti	Sport & Recreational Management	Marketing	Natalie West	Junior Hockey to NCAA; How NCAA Hockey Eligibility Rule Changes Affect Player Development and League Ecosystems	Traditionally, the path for young hockey players that want to go on and play in the NHL has been a very tricky road to navigate. Young players would have to make a choice around the ages of 14-16 to either go down one of two paths. Path one was leave home at a young age and play in one of the three leagues within the CHL. Path two was to keep playing where you're at with a lower tier juniors' team or high school/prep teams and hope that you can get a NCAA scholarship. This was a highly flawed system that plagued the sport of hockey for so many years, as if you chose path one you could not back track and even go play in the NCAA, due to the organization viewing these juniors' leagues as "non-armature" organizations, until recently. In November 2024 the NCAA Division One Council made a rule change that allowed "pro organizations" prior to college enrollment, allowing players to maintain eligibility while playing in leagues that are view as "professional" in the eyes of the NCAA. This has caused a major shift in the world of hockey with how development of players are handled, and even how leagues around the world are now affected by this rule change.

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75	Riley	Wolfe	Undecided	None	Professor Alison Poor-Donahue	Rock Homograph	This artwork explores the concept of a homograph through the word “rock,” referencing both the natural mineral and the genre of music. The mineral form is typically associated with neutral gray tones, which informed the use of varied grayscale shades throughout the piece. In contrast, rock music evokes energy, vibrancy, and intensity; to capture this, bright, dynamic colors were incorporated. This juxtaposition of muted and vivid elements emphasizes the dual meaning of the word while allowing the “earth” aspect of the composition to visually stand out.
76	Derrick	Wood	Sports Recreation and Management/ Business Administration	Coaching	Dr. Natalie West	Impact of NCAA rule change on CHL players and hockey development pathways	My Project is about the new Landscape of College hockey and how players are now choosing to leave the traditional route of playing in the Canadian junior hockey leagues and are now coming over to play in the NCAA because of the new eligibility rules
77	Tylen	Worrell	Biochemistry		Jessica Fry	Effectiveness of On-the Go Oral Cleaning Methods Compared with Regular Toothbrushing	Oral health is more important than most people realize because it is linked to overall health, including things like heart disease, diabetes, and inflammation. Even though we are told to brush and floss every day, a lot of people do not stay consistent, especially students and people with busy schedules. Because of this, on-the-go oral hygiene products like gum and disposable toothbrushes are becoming more popular. They are convenient and easy to use, but the real question is whether they work as well as regular brushing. The purpose of this project is to explore how effective these products are at reducing harmful bacteria in the mouth. To test this, saliva samples were collected using a Salivette kit under different conditions, including chewing gum, a disposable mini toothbrush, and traditional toothbrushing. Additional methods were also done by my peers to compare bacterial presence before and after each treatment. My hypothesis is that traditional toothbrushing will be more effective overall than on the go products. The results so far show that across all conditions tested, on-the-go cleaning options (gum + Salivette kit, disposable mini toothbrush with Salivette, and disposable mini toothbrush with swabbing) were able to reduce some bacterial growth but were not as effective as traditional toothbrushing. In several treatments at higher dilutions, the “after” samples still showed high bacterial counts, and in a few cases (like gum + Salivette and the mini toothbrush with Salivette), bacterial growth even increased after use. This suggests that these portable cleaning tools don’t consistently reduce bacterial load the way a regular toothbrush does. On-the-go products can help in situations when brushing isn’t possible, but they should be seen as a backup, not a replacement. Understanding how well these products actually work can help people make better choices and could even influence dental advice in the future.
78	Ryan	Yates	Graphic Design	Coaching		Curry Football Social Media Content	As both a student-athlete and content creator for Curry College Football, I design and produce social media graphics that highlight the team’s identity, energy, and culture. Leveraging my graphic design skills, I create gameday graphics, player features, and promotional content that engage audiences and elevate the program’s visual presence. As a member of the team’s Leadership Council, I bring a player’s perspective to my work, ensuring that all content is authentic and reflective of the team’s voice. This dual role allows me to contribute both on the field and behind the scenes, strengthening the program’s brand while further developing my leadership, communication, and creative abilities.