SCAD

19TH ANNUAL

Scholarship and Creative Arts Days

ELIZABETHTOWN COLLEGE

#ETOWNSCAD26

APRIL 20 & 21

Scholarship and Creative Arts Day

CELEBRATE SCHOLARSHIP AND CREATIVITY!

ETOWN
ELIZABETHTOWN COLLEGE

Elizabethtown College students reach success through our 21st century curricula combining high-quality professional programs, real-world experiences involving hands-on opportunities to conduct academics and research, and a 125 year learning tradition of thinking critically, analyzing deeply, and communicating effectively.

Our annual Scholarship and Creative Arts Day (SCAD) is a forum for our students to present their academic research in their respective disciplines, while others showcase talents through recitals and a juried art exhibit. The scholarly work and presentations would not be possible without our faculty mentors who dedicate their time and expertise to helping our students succeed.

With the excellent education and training, our students go out into the world and make an impact. Our annual SCAD demonstrates our College's commitment to fostering those impacts being made and to the importance of scholarly research.

Betty Rider, President and Professor of Psychology

Matthew Telleen, Interim Provost and Vice President for Academic Affairs and Professor of Communications and Legal Studies

Scholarship and Creative Arts Day at a Glance

Monday, April 20, 2026

School of Sciences and Health

5:00-5:50 pm	Occupational Therapy Graduate Research Symposium Welcome and Keynote Speaker Virtual & in person
6:00-8:30 pm	Presentations and poster sessions Virtual & in person

School of Arts and Humanities

5:00 pm	39th Annual Juried Art Student Show Leffler Chapel-Lyet Gallery
7:30 pm	Scholarship and Creative Arts Day Recital Leffler Chapel-Musser Auditorium

39th Annual Juried Student Art Show

10

Lyet Gallery at Leffler Chapel and Performance Center

Awards Reception for the 39th Annual Student Art Show will be held in the Lyet Gallery on April 20 from 5-7 pm.

Dorothy Frey, Associate Professor of Painting and Drawing at Millersville University chose works from the student entries for our 39th Annual Juried Student Show. This show exemplifies the student commitment and talent that we have in the Department of Art and Design at Elizabethtown College. Thanks to all the students who entered our show and to our dedicated faculty. Congratulations to those in the show and to our prize winners. We are pleased to present our 39th show as part of the SCAD program. Artwork will be displayed through April 21, 2026.

Presenters:

Ariel Abbott, Kenzie Amrhein, Farnaz (Teddy) Bazyar, Eli Boyle, Blake Carmosin, Alexandra Collins, Zane Cooper, Isabella Cowger, Whitney Davis, Jessica Dunn, Lilly Ecenrode, Jess Falconer, Ella Fasnacht, Gavin Hawley, Juliana Guzzo, Riley Hoffman, Destiny Jones, Paul Kvech, Emujin Lkhagvasuren, Cecelia Legaspi, Arianna Lepratto, Ernest Lloyd, Martin Sawyer, Ella Monthei, Kelsey Shires, Samantha Small, Kaylee Solomon, Ash Queen, Taylor Strader, Jake Vottero, Loren Woodruff, Teagan Zumbano

Mentors:

Kristi Arnold
Dan Burns
Jeff Bye
Milt Friedly
Katherine Hughes
Andy Williams
Lisa Erdman

Exhibit Organizer:

Milt Friedly

Scholarship and Creative Arts Day Recital

Musser Auditorium at Leffler Chapel and Performance Center
April 20, 2026 at 7:30 pm
Program

Fantaisie-Impromptu in C-sharp minor, Op. posth. 66 — Frédéric Chopin (1810–1849)
Camdyn Buohl, piano

Sonata — Alec Wilder (1907–1980)
III.
Maximus Marshall, saxophone

"Hamburger" Sonata in G Major, H. 564 — Carl Philipp Emanuel Bach (1714–1788)
I. Allegretto
Emily Harrell, flute

Monica's Waltz from The Medium — Gian Carlo Menotti (1911–2007)
Ryley Douglass, soprano

Etude no. 6 (1996) — Philip Glass (b. 1937)
Audrey Bower, piano

"Printemps qui commence" from Samson et Dalila — Camille Saint-Saëns (1835–1921)
Laney Humble, soprano

Butterfly, op. 43, no. 1 — Edvard Grieg (1843–1907)
Marina Tague, piano

Fantasie — Phillip Gaubert (1879–1941)

Gia Solito, flute

La cathédrale engloutie — Claude Debussy (1862–1918)

Jibrail Hattar, piano

Sonata (1940) — Paul Creston (1906–1985)

III. With gaiety

Noah Walter, saxophone

Collaborative pianist: Dr. Justin Badgerow

Faculty mentors: Justin Badgerow, Paula Nelson, Sarah Shafer, Cheryl Braun

SCAD Recital 2025

Scholarship and Creative Arts Day at a Glance

Tuesday, April 21, 2026

Welcome Refreshments

8:00-8:30 AM, Masters Lobby

Opening Remarks, Faculty Awards and Keynote Event

8:30-9:15 AM, Gibble Auditorium

Showcase of Scholarship Presentations

Presentations, panel discussions, posters, portfolios, exhibits: Hoover lecture rooms, Nicarry lecture rooms, Gibble Auditorium in Masters Center, Bowers Fitness Center, High Library, and College Track.

Session I Presentations 9:30 AM to 10:50 AM

- Biochemistry & Molecular Biology
- Political Science
- English
- Music
- Medical Humanities
- Modern Languages-Japanese
- Psychology and Neuroscience
- Biology

Session II-Presentations 11:00 AM to 12:20 PM

- Political Science
- Asian Studies
- Social Work
- Education
- Computer Science
- Psychology and Neuroscience
- Biology

Scholarship and Creative Arts Day at a Glance

Lunch Break

12:20 PM to 1:15 PM, Electric Car Race, College Track

Session III-Presentations 1:15 PM to 3:15 PM

- Political Science
- Asian Studies
- Education
- Occupational Therapy
- Economics
- Biology

Session IV-Posters 3:20 PM to 4:40 PM

- Public Heritage Studies/Honors Program
- Biology
- Chemistry
- Biochemistry & Molecular Biology
- Occupational Therapy
- Computer Science
- Engineering
- Psychology
- Information Systems
- Environmental Science
- Music
- Neuroscience
- Business
- Economics
- Communications
- Political Science
- Education

SCAD Closing Remarks

4:40 PM-5:00 PM Bowers Fitness Center

Closing Remarks

Master of Music Education Research Presentations

6:30 PM Virtual Presentation

Members from the Masters of Music Education program will be sharing their research presentations over Zoom.
https://etown.zoom.us/j/97577287453

Dr. Kirsten Johnson, 2025 -2026 Ranck Award Prize recipient for Research Excellence will deliver the keynote remarks during the opening plenary of the 19th Annual Scholarship and Creative Arts Day.

April 21, 2026, 8:30 am in Gibble Auditorium

This presentation traces a 30-year journey from Dr. Johnson's early years working in broadcast news to her recent research studies focused on perceived media credibility and trust. Drawing on experiences as a newsroom producer, her presentation examines journalism's most essential, yet increasingly vulnerable, asset. It highlights her experimental research on credibility cues, from early studies of citizen journalism to more recent work on social media, transparency, and personalized news. It concludes with practical insights into navigating today's fragmented media landscape and evaluating credible news sources.

Ranck Prize Background:

Robert O. Kerr '64 and Mary Ann Kerr '64 established the Ranck Prize for Research Excellence as a permanent endowment to award a full-time faculty member of Elizabethtown College and to commend and celebrate excellence in research and commitment to his or her field of study. The prize honors John P. Ranck '58, faculty member emeritus and former chair of the Department of Chemistry and Biochemistry, for "his inspirational service to countless students at Elizabethtown College."

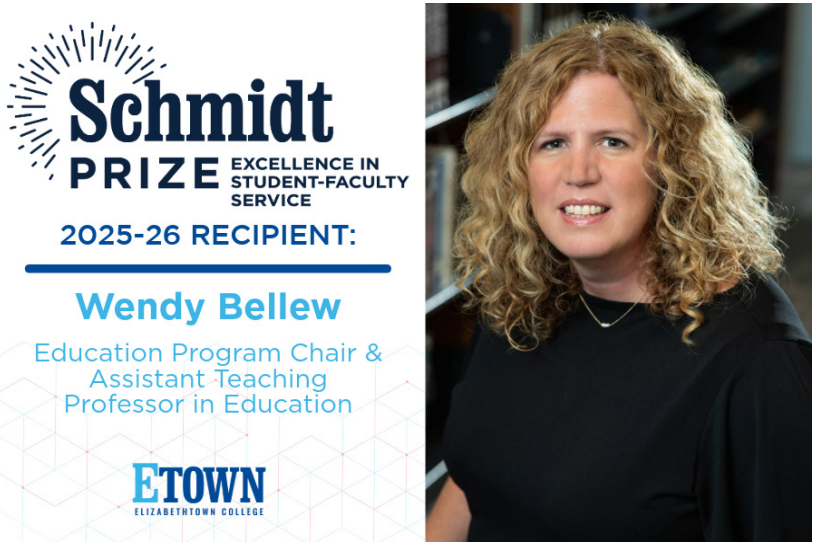
Celebrating Faculty Excellence

The 2024-25 Polanowski Prize for Excellence in Faculty-Student Advising and Mentorship recipient is Dr. Oya Dursun-Ozkanca Elizabethtown College Professor of Political Science and International Studies. The award is presented to an Elizabethtown College faculty member to commend and celebrate excellence in advising and mentoring students toward successful graduate school placement and/or careers.

The Polanowski Prize for Excellence, which has been made possible through the generosity of Dr. Mary E. Schmidt '79 and Dr. Russell Libby, honors Dr. Frank P. Polanowski, Associate Professor of Biology Emeritus, for his inspirational service to countless students at Elizabethtown College.

The 2025-26 Schmidt Prize for Excellence in Student-Faculty Service recipient is Professor Wendy Bellew, Education Program Chair and Assistant Teaching Professor in Education. The award is presented to an Elizabethtown College faculty member to celebrate the development of meaningful and purposeful student experiences through service that creates pathways and preparation for the real world.

The Schmidt Prize for Excellence in Student-Faculty Service is an annual award made possible through the generosity of alumna Dr. Mary E. Schmidt '79 and will celebrate a faculty member creating meaningful and purposeful student experiences through service (i.e. community-based learning, research-intensive courses, field/internship oversight, etc.) that create pathways and preparation for the real world.



Elizabethtown College Scholarship and Creative Arts Day
Schedule for Tuesday, April 21, 2026
NICARRY HALL

		Nicarry 202	Nicarry 210	Nicarry 228	Nicarry 232
Session I	9:30 AM	Biochemistry & Molecular Biology	Political Science	Arts & Humanities: English Medical Humanities Music Modern Languages-Japanese	
	9:50 AM				
	10:10 AM				
	10:30 AM				
Session II	11:00 AM		Political Science	Asian Studies	Social Work Education
	11:20 AM				
	11:40 AM				
	12:00 PM				
Session III	1:15 PM		Criminal Justice	Asian Studies	Sociology
	1:35 PM				
	1:55 PM				
	2:15 PM				
	2:35 PM				
	2:55 PM				

First-Year Engineering Electric Car Competition at the Outdoor track at noon

Elizabethtown College Scholarship and Creative Arts Day
Schedule for Tuesday, April 21, 2026
HOOVER CENTER

		HOOVER 211	HOOVER 212	HOOVER 213	HOOVER 214
Session I	9:30 AM		Psychology and Neuroscience		Biology
	9:50 AM				
	10:10 AM				
	10:30 AM				
Session I	11:00 AM	Computer Science	Psychology and Neuroscience		Biology
	11:20 AM				
	11:40 AM				
	12:00 PM				
Session III	1:15 PM	Computer Science	Psychology and Neuroscience	Business-Economics	Biology
	1:35 PM				
	1:55 PM				
	2:15 PM		Occupational Therapy		
	2:35 PM				
	2:55 PM				

Session IV- Poster Session in Bowers Fitness Center

Masters of Music Education Presentations (virtual)

19th Annual Scholarship and Creative Arts Day

Session I

9:30 AM-10:50 AM

Biochemistry & Molecular	Honors in the Discipline Presentation	N-202
9:30 AM	**Effects Of Kinase Inhibitors On Cell Viability & Protein Expression On Lung Cancer Cell Lines Of Different Ethnic Origins**	**# 40**
Presenter:	Samantha Small	Mentor: Dr. Amy Defnet

Political Science	Terrorism and Counterterrorism Panel Paper Presentations	N-210 Panel Moderator: **Dr. Oya Ozkanca**
9:30 AM	**The Boston Marathon Bombing And Its Effect On America**	**# 45**
Presenters:	Hannah Kugle, Erin Ford, Adam Brockett, Marwa Kadary, Donya Salman	Mentors: Dr. Oya Ozkanca, Ambassador John Craig
9:50 AM	**500 Years Of Conflict: The Internal Struggle For Chechnya**	**# 46**
Presenters:	Cadence Cunningham, Dion Davenport, Will Denniston, Rebecca Green, Cayden Stephens	Mentors: Dr. Oya Ozkanca, Ambassador John Craig
10:10 AM	**Insurgency To Integration?: The PKK And The Dynamics Of Effective Counterterrorism**	**# 47**
Presenters:	Jordyn Dutko, Larissa Halber, Emily Krey, Patrick Snyder, Kai Trautenbach	Mentors: Dr. Oya Ozkanca, Ambassador John Craig
10:30 AM	**Digital Radicalization: How Social Media Fuels Lone-Actor Terrorism**	**# 48**
Presenters:	Malini Sakrudkar, Lauren Micheletti, Alex Williams, Skye Zolomij, Reid Maas	Mentors: Dr. Oya Ozkanca, Ambassador John Craig

English, Medical Humanities, Music & Modern Languages	School of Arts and Humanities Session Paper Presentations	N-228
9:30 AM	**The Strength Of British Women Poets In The Victorian Era**	**# 50**
Presenter:	Hanna Weller	Mentors: Dr. Suzanne Webster Roberson, Mrs. Wendy Bellew, Dr. Patrick Allen
9:50 AM	**An Autoethnography Of Narrative Medicine**	**# 51**
Presenter:	Shannon Gingrich	Mentor: Dr. Kevin Shorner-Johnson
10:10 AM	**A Fragile Peace**	**# 52**
Presenter:	Deah Zachary	Mentor: Dr. James Haines
10:30 AM	**A Timeless Tradition: The Influence Of Shōjin Ryōri In Modern Day Japan**	**# 53**
Presenter:	Luke Hatzell	Mentor: Dr. Nobuaki Takahashi

Engineering	Paper Presentation		N-232
9:30 AM	**Analysis Of Photonic Waveguides Using FDTD**		**# 55**
Presenter:	Grant Seville	Mentors: Dr. Mark Brinton, Dr. Kurt DeGoede	

Computer Science	Computer Science Capstone Projects Paper Presentations		H-211
9:30 AM	**Design And Implementation Of A Web-Based Color Preference Analytics System**		**# 60**
Presenter:	Owen Wertzberger	Mentor: Dr. Jessica Wang	
9:50 AM	**Document Intelligence: A Web-Based Document Management System With Version Control And Role-Based Access**		**# 61**
Presenters:	Joey Wagner, Mildred Nwachukwu-Innocent, Owen Yang	Mentor: Dr. Jessica Wang	
10:10 AM	**Jaywiki: A Cloud-Based Gallery Platform For Etown Computer Science Projects**		**# 62**
Presenter:	Matthew Smith	Mentor: Dr. Jessica Wang	
10:30 AM	**Nest Planner: A Department-Level Automated Course Scheduling System**		**# 63**
Presenters:	Laney Humble, Parker Engle, Aya Zourgani	Mentor: Dr. Jessica Wang	

Psychology	Psychology and Neuroscience Honors Presentations Panel Moderators: Dr. **Jean Pretz and Dr. Elizabeth Dalton**		H-212
9:30 AM	**Social Media And Anxiety: A Mindfulness Intervention**		**# 70**
Presenter:	Conor O'Brien	Mentor: Dr. Jean Pretz	
9:50 AM	**Art Mindfulness: An Examination Of Impacts And Mediators**		**# 71**
Presenter:	Emily Byrne	Mentor: Dr. Jean Pretz	
10:10 AM	**Chronic And Acute Academic Stress As Predictors Of Anxiety And Depression: The Mediating Role Of Academic Rumination**		**# 72**
Presenter:	Cassandra Drumheiser	Mentors: Dr. Elizabeth Dalton, Dr. Jean Pretz	
10:30 AM	**The Effects Of Proximal Acute Stressors On False Memory Creation**		**# 73**
Presenter:	Madison Cannon	Mentor: Dr. Elizabeth Dalton	

Biology	Honors in the Discipline- Biology and Environmental Sciences Paper Presentations Panel Moderator: **Dr. Robert Northington**		H-214
9:30 AM	**Does The *Hydra vulgaris* Microbiome Affect Susceptibility To Cell Death Through Ferroptosis?**		**# 80**
Presenter:	Callie Asper	Mentor: Dr. Diane Bridge	
9:50 AM	**CD44 Isoform Selection In Virally Transformed Cells**		**# 81**
Presenter:	Caitlyn Jensen	Mentor: Dr. Jane .F Cavender	
10:10 AM	**Impact Of Nutrient Content And Gram-Negative Bacteria On Lemna Minor Growth In Different Water Types**		**# 82**
Presenter:	Anika Hodgdon	Mentor: Dr. Robert Northington	

Biology	Paper Presentation		H-214
10:30 AM	**Effect Of Microbial Diversity On Glucose Metabolism In *C. elegans***		**# 83**
Presenter:	Maegan Wingert	Mentor: Dr. Debra Wohl	

Session II
11:00 AM-12:20 PM

Political Science	**Political Science Panel** **Paper Presentations**	Panel Moderator: **Dr. Oya Dursun-Ozkanca**	**N-210**
11:00 AM	**From Kyiv To The DMZ: The Russia-Ukraine War And The Future Of The Korean Peninsula**		**# 90**
Presenter:	Erina Fortune	Mentors: Dr. Oya Ozkanca, Dr. E. Fletcher McClellan	
11:20 AM	**Leveling The Field: Evaluating The Impact Of The Student Athlete Level Playing Field Act And Other Legislation On NCAA Governance And Athlete Rights In College Sports**		**# 91**
Presenter:	Justin Marraccini	Mentors: Dr. Oya Ozkanca, Dr. E. Fletcher McClellan	
11:40 AM	**Rights On Paper, Power In Practice: Poland And The Limits Of The European Union And The European Court Of Human Rights**		**# 92**
Presenter:	Ella Fulk	Mentors: Dr. Oya Ozkanca, Dr. E. Fletcher McClellan	
Asian Studies and Religious Studies	**Religion, Culture, and Society** **Paper Presentations**	Panel Moderator: **Dr. Jeffery D. Long**	**N-228**
11:00 AM	**Spirituality And Medicine: The Osteopathic Philosophy**		**# 95**
Presenter:	Thatcher Baney	Mentor: Dr. Jeffery Long	
11:20 AM	**The Christianization Of Early Medicine**		**# 96**
Presenter:	Desiree Tirado	Mentor: Dr. Jeffery Long	
11:40 AM	**Ancient Egyptian Death Rituals**		**# 97**
Presenter:	Madelyn Nicholas	Mentor: Dr. Jeffery Long	
12:00 PM	**Commercial Whaling In Japan: Sustainability, Culture, And Global Controversy**		**# 98**
Presenter:	Kaci Gohn	Mentor: Dr. Jeffery Long	
Education	**Paper Presentation**		**N-232**
11:00 AM	**The Benefit And Disadvantages Of Dialogic Teaching In A Highschool History Classroom**		**# 102**
Presenter:	Nicholas Jacobs	Mentor: Professor Wendy Bellew	
Social Work	**Paper Presentation**		**N-232**
11:20 AM	**Does Every Student Succeed? The Impact Of The Every Student Succeeds Act On High School Students Placed In Foster Care**		**# 103**
Presenter:	Rachael Johnson	Mentor: Professor James Corbin	

Computer Science Capstone Project Presentations

Computer Science | **Paper Presentation** | **H-211**

11:00 AM	**Design And Implementation Of A Conversational Escalation Pipeline In Microsoft Teams**		**# 110**
Presenters:	Alexander Roop, Hunter Rohrbaugh	Mentor: Dr. Jessica Wang	
11:20 AM	**Silverslayer: An Integrated Cybersecurity Training Game And Home Lab Environment**		**# 111**
Presenters:	Asher Wayde, John McGovern, Martin Ratchford	Mentor: Dr. Jessica Wang	
11:40 AM	**Storyforge: An AI-Powered Platform For Interactive, Branching Storytelling**		**# 112**
Presenters:	Matthew Smith, James Buck	Mentor: Dr. Jessica Wang	

Psychology and Neuroscience Honors Presentations

Psychology & Neuroscience | **Paper Presentation** | **H-212**

11:00 AM	**How Family Functioning Influences The Coming Out Process Among LGBTQ+ Young Adults**		**# 115**
Presenter:	Leandra McMahon	Mentors: Dr. Michael Roy, Dr. Jean Pretz	
11:20 AM	**Linking Brain Structure With Epilepsy And Behavioral Measures In Chromosome 8p Rearrangements**		**# 117**
Presenter:	Makenna Snyder	Mentor: Dr. Jennifer Wittmeyer	
11:40 AM	**Gray Matter Correlates Of Childhood And Adult Trauma Exposure**		**# 118**
Presenter:	Chloe Haldeman	Mentor: Dr. Jennifer Wittmeyer	

Occupational Therapy | **Paper Presentations** | **H-213**

11:40 AM	**Function In Focus: Occupational Therapy's Role In The Management Of Juvenile Arthritis**		**# 120**
Presenter:	Gabrielle Oliphant	Mentor: Dr. Laura Cunningham	
12:00 PM	**Meeting An Unspoken Need: Developing Occupational Therapy Based Educational Materials For New Mothers At Risk For Postpartum Depression**		**# 121**
Presenter:	Mackenzie Watts	Mentor: Dr. Gina Fox	

Honors in the Discipline- Biology and Environmental Sciences

Biology and Environmental Science | **Paper Presentations** | **H-214**

Panel Moderator: **Dr. Robert Northington**

11:00 AM	**Establishing Reliable DNA Extraction Methods For Microbial Analysis Of Embalmed Cadaveric Tissues**		**# 125**
Presenter:	Alysse Smith	Mentor: Dr. Debra Wohl	
11:20 AM	**Linking Habitat Suitability To Deer–Vehicle Collision Hotspots In The Pennsylvania Piedmont**		**# 126**
Presenter:	Makenzi Reed	Mentor: Dr. David Bowne	
11:40 AM	**The Impact Of Cotton Amendment On Spinach Growth And Soil Characteristics**		**# 127**
Presenter:	Kirra Johnson	Mentor: Dr. David Bowne	

Engineering | **Car Race** | **College track**

12:15 PM	**Electric Car Race**		**# 128**
Presenters:	Kyler Benedict, Mason Fangman, Billy Bartolomei, Ethan Smith, Kevin Betancur, Bridget Ferrarese, Jesse Georgieff, Ellison Mentzer, Mason Zimmerman, Lucy Stanek, Alex Hart, Kai Glick, Richard Dennis, Logan Leaman, Nathan Kerr, Kamauri Johnson, Micheal Beach, Mariia Yeni, Rayne Nolan, Alejandro Maestre Puello, Thomas Huston, Rafa Garza Gomez, Luke Williams, Hugh Rogers, Ethan Marquette, Madi Czuday, Morgan Carr, Logan Sumner, Dominic Valeriano, Jon-Marc Marshall, Jack Frankum, Luke Barger, Hunter Ward, Griffin Roeder, Charles Mbah, Joey Hildreth, Justin Fox, Enzo Vasile, Will Medley, KhaliQ Poles, Nicholas Powl, Micheal Wright, Nathan Wade, Alex Ruch, Carson Lefever, Waid Gainer, Parker Summers, Ben Zaitz, Yeshua Salgado, Jedd King, Jiovany Garcia, Brice Scicchitano, Wyatt Sokol, Will Stinson, Tristan Wood, Ben Curtis	Mentors: Dr. Shannon Clancy, Dr. Jean Batista Abreu	

Session III
1:15 PM-3:15 PM

Political Science	Criminal Justice and Reducing Recidivism Paper Presentation	N-210
1:15 PM	**Recidivism Risk Among State Prisoners**	**# 130**
Presenter:	Logan Rich	Mentor: Professor Nathan Gibson
1:35 PM	**Adolescence And Recidivism Rates**	**# 131**
Presenter:	Casey Gabbrd	Mentor: Professor Nathan Gibson
1:55 PM	**Factors Affecting Suicide Rates Among Police Officers**	**# 132**
Presenter:	Joseph Walko	Mentor: Professor Nathan Gibson
2:15 PM	**Reducing Recidivism Of Drug Offenders**	**# 133**
Presenter:	Brendan Arthur	Mentor: Professor Nathan Gibson
Criminal Justice		**N-210**
2:35 PM	**Ready Restraint Protocol**	**# 134**
Presenter:	Leandra McMahon	Mentor: Dr. Kadee Crandall
2:55 PM	**Building Credibility In The Courtroom: The Argument For Mandatory Forensic Laboratory Accreditation**	**# 135**
Presenter:	Gwyneth Young	Mentor: Dr. Kadee Crandall

Asian Studies and Religious Studies	Religion, Culture, and Society Paper Presentations	N-228 Dr. Jeffery D. Long
1:15 PM	**Greek Orthodox Byzantine Chant**	**# 140**
Presenter:	Rachel Troutman	Mentor: Dr. Jeffery Long
1:35 PM	**Overlaps And Interconnections: The Interdependence Of The World's Religions**	**# 141**
Presenter:	Eli Boyle	Mentor: Dr. Jeffery Long

Education Department Thesis Presentations

Education — **Paper Presentations** — **N-232** — **Dr. Kevin A. Peters**

1:15 PM	**Supporting Foundational Writing Skills In Second Grade: Differentiated Instructional Strategies For Students With Dyslexia**		**# 150**
Presenter:	Kara Sullivan	Mentors: Dr. Kevin Peters,Leigh Shannon Haley-Mize	
1:35 PM	**The Dismantling Of The Department Of Education**		**# 151**
Presenter:	Dylinn Rice	Mentors: Dr. Kevin Peters,Leigh Shannon Haley-Mize	
1:55 PM	**Early Identification And Intervention Strategies For Students With ADHD In Primary Schools: Educator Perspectives And Practices**		**# 152**
Presenter:	Emily Rathell	Mentors: Dr. Kevin Peters,Leigh Shannon Haley-Mize	
2:15 PM	**Bridging The Gap: Strengthening IEP Transition Planning To Improve Postsecondary Education And Employment Outcomes**		**# 153**
Presenter:	Andrew Reice	Mentors: Dr. Kevin Peters,Leigh Shannon Haley-Mize	
2:35 PM	**Recess In Schools And Its Effects On Children**		**# 154**
Presenter:	Elizabeth Kutteh	Mentors: Dr. Kevin Peters,Leigh Shannon Haley-Mize	
2:55 PM	**Manufacturing Disparity: The Impact Of Violence And Racialized Space On Students In Prince George's County, Maryland**		**# 155**
Presenter:	Haley Bateman	Mentors: Dr. Kevin Peters,Leigh Shannon Haley-Mize	

CS 350 From Data Mining to Deep Learning

Computer Science — **Paper Presentations** — **H-211** — Panel Moderator: **Dr. Peilong Li**

1:15 PM	**Ecosort: A Convolutional Neural Network Driven Framework For Sustainable Waste Management And Methane Reduction**		**# 160**
Presenters:	Kathy Saldana Renteria, Kylie Ueda	Mentor: Dr. Peilong Li	
1:35 PM	**Roadguardian: Real-Time Computer Vision Based Pothole Detection And Severity Classification**		**# 161**
Presenters:	Drew Urenko, Carlos Valencia	Mentor: Dr. Peilong Li	
1:55 PM	**Gridironvision: A Computer Vision Powered NFL Player Tracking System**		**# 162**
Presenters:	Dominic Traina, Connor Price	Mentor: Dr. Peilong Li	
2:15 PM	**Emotracker: An Integrated Multi-Modal AI Emotion Recognition System**		**# 163**
Presenters:	Aaron Frist, Alexander Pellet, Matthew Smith	Mentor: Dr. Peilong Li	

Psychology and Neuroscience Honors Presentations — H-212

2:15 PM	**Predicting Negative Attitudes About Immigrants Using Justice Beliefs And Morality**		**# 170**
Presenter:	Percy Lachman	Mentor: Dr. T. Evan Smith	
2:35 PM	**Social Support And Resilience And Its Impact On Academic Self-Efficacy And Performance**		**# 171**
	Julie Brelsford	Mentor: Dr. T. Evan Smith	

Psychology			H-212
1:55 PM	**Attitudes Toward Immigrants In The United States**		**# 172**
Presenter:	Ellie Muskens	Mentors: Dr. Michael Roy, Dr. Jean Pretz	
1:15 PM	**Seeking Discomfort: The Benefits Of Being Uncomfortable**		**# 173**
Presenter:	Tainan Nunes	Mentor: Dr. Elizabeth Dalton	

Economics	Global Trade Agreements		H-213 Dr. Sanjay Paul
1:15 PM	**Analysis Of USMCA Trade Agreement**		**# 180**
Presenters:	Trager Brown, Alessandro Amoroso, Nathan Schwing	Mentor: Dr. Sanjay Paul	
1:35 PM	**Analysis Of The Comprehensive And Progressive Agreement For Trans-Pacific Partnership**		**# 181**
Presenters:	Kaci Gohn, Alexandra Swendrowski, Blake Stolarik	Mentor: Dr. Sanjay Paul	
1:55 PM	**A Multi-Dimensional Analysis Of RCEP Trade Agreement And Its Effect On Member Nations**		**# 182**
Presenters:	Nathan Lutz, Gabriel Henry, Dominick Bonanno	Mentor: Dr. Sanjay Paul	
2:15 PM	**The World's Largest Trade Agreement: An Analysis Of The Current And Future Vitality Of The World Trade Organization**		**# 183**
Presenter:	Mason Palmer	Mentor: Dr. Sanjay Paul	
2:35 PM	**The Costs And Benefits Of MERCOSUR: Economic Analysis And Political Implications**		**# 184**
Presenters:	Catherine Boylan, Chloe Shanberger	Mentor: Dr. Sanjay Paul	
2:55 PM	**The European Union's Contemporary Trade Policy Framework: A Cost-Benefit Analysis Of Economic Outcomes, Political Dynamics, And Future Direction**		**# 185**
Presenters:	Justin Marraccini, Nate Moser	Mentor: Dr. Sanjay Paul	

Biology			H-214
1:15 PM	**Elucidating The Chemotherapeutic Mechanism Of Withaferin A In Polyoma Virus Transformed Cells**		**# 190**
Presenter:	Elizabeth McCann	Mentor: Dr. Jane F Cavender	

	Honors in the Discipline- Biology and Environmental Sciences		H-214
1:35 PM	**Assessment Of Student Perceptions Of Working With Anatomical Donors In Anatomy Courses**		**# 191**
Presenter:	Lauren Heidelbaugh	Mentor: Dr. Anya Goldina	

Session IV
3:20 pm-4:40 pm
Bowers Fitness Center

Public Heritage Studies

3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (John Spangler – James Caracher House)**	**# 200**
Presenter:	Emily Adams	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Wilson-Whitehill House)**	**# 201**
Presenter:	Madeline Boop	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Henry Share Houses)**	**# 202**
Presenter:	Chris DiPlacido	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Whiteside, Baker, Carroll House)**	**# 203**
Presenter:	Paul Fulfer	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Goodman, Kulman, Cambridge House)**	**# 204**
Presenter:	Anya Gilbert	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Mowery-Schock-Myers House (Carpet Hall Tenements))**	**# 205**
Presenter:	Aaron Girvan	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Montgomery, Rich, Pickle House)**	**# 206**
Presenter:	Acacia Kreider	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Jacob Nicholas House)**	**# 207**
Presenter:	Joe Kurpis	Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (David Cooke, Jr. House)**	**# 208**
Presenter:	Ernest Lloyd	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (James Whitehill Shupe House)**	**# 209**
Presenter:	Jon-Marc Marshall	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (St. John, Zell, Taggart House)**	**# 210**
Presenter:	Elizabeth Marshall	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street Hiestand, Hershey, Carroll House)**	**# 211**
Presenter:	Will Medley	Mentor: Prof. Jean Paul Benowitz

3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street(William Goodyear House)**	**# 212**
Presenter:	Mikalya Miller	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Benjamin Taylor - Jefferson Hotel)**	**# 213**
Presenter:	Nicole Morrell	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street (Jacob Roth Cooper Shop & House)**	**# 214**
Presenter:	Ellie Swinehart	Mentor: Prof. Jean Paul Benowitz
3:20 PM	**The American Sesquicentennial 1776-2026: The National Historic District Of Marietta, Lancaster County, Pennsylvania: The Homes Of United States Street(George Christine House)**	**# 215**
Presenter:	Nathan Wade	Mentor: Prof. Jean Paul Benowitz

Environmental Science-Grouped Posters BIO320

3:20 PM	**Conserving Biological Diversity At Elizabethtown College: A Proposed Stewardship Plan By Students In BIO320 Conservation Biology**	**# 220**
Presenters:	Lilianna DeBlasio, Emma Gilfillan	Mentor: Dr. David Bowne
3:20 PM	**Conserving Biological Diversity At Elizabethtown College: A Proposed Stewardship Plan By Students In BIO320 Conservation Biology**	**# 221**
Presenters:	Jay Diaz, Angelymarie Pacheco	Mentor: Dr. David Bowne
3:20 PM	**Conserving Biological Diversity At Elizabethtown College: A Proposed Stewardship Plan By Students In BIO320 Conservation Biology**	**# 222**
Presenters:	Kylie Holl, Hannah Walker	Mentor: Dr. David Bowne
3:20 PM	**Conserving Biological Diversity At Elizabethtown College: A Proposed Stewardship Plan By Students In BIO320 Conservation Biology**	**# 223**
Presenters:	Zachary Randolph, Samuel Rockey	Mentor: Dr. David Bowne
3:20 PM	**Conserving Biological Diversity At Elizabethtown College: A Proposed Stewardship Plan By Students In BIO320 Conservation Biology**	**# 224**
Presenters:	Josiah Twigg, Morgan Glassford	Mentor: Dr. David Bowne
3:20 PM	**Conserving Biological Diversity At Elizabethtown College: A Proposed Stewardship Plan By Students In BIO320 Conservation Biology**	**# 225**
Presenters:	Elizabeth Wasylyk, Ceinwyn Erb	Mentor: Dr. David Bowne

Biology

3:20 PM	**Investigating Agricultural Influences On Stream Productivity And Nutrient Dynamics In South Greenland**	**# 226**
Presenter:	Elizabeth Wasylyk	Mentor: Dr. Robert Northington
3:20 PM	**The Effects Of Exposure To Cycloheximide On The Growth, Longevity, And Reproduction Of *Caenorhabditis elegans***	**# 227**
Presenter:	Amelia Ingersoll	Mentor: Dr. Debra Wohl
3:20 PM	**Developing A Feeding Assay Using *E. coli* Expressing Green Fluorescing Protein (GFP) To Measure Sodium Fluoride Toxicity In *C. elegans***	**# 228**
Presenter:	McKenzie Laity	Mentor: Dr. Debra Wohl

3:20 PM	**An Investigation Into The Antibacterial Effects Of Amish Home Remedies For Periodontal Disease**		**# 229**
Presenter:	Asher Landrum	Mentor: Dr. Debra Wohl	
3:20 PM	**The Effects Of Lactose Concentrations In Nematode Growth Medium Agar On Growth Of *C. elegans***		**# 230**
Presenter:	Shannon O'Donnell	Mentor: Dr. Debra Wohl	
3:20 PM	**From Object To Subject: The Biological Profile Of An Unknown Skeleton**		**# 231**
Presenter:	Jacob Panckeri	Mentor: Dr. Elizabeth Newell	
3:20 PM	**Effects Of Water Movement On Floating Behavior In Four Species Of The Invertebrate *Hydra***		**# 232**
Presenters:	Loren Kukulka, Cecelia Paul	Mentor: Dr. Diane Bridge	

Biochemistry & Molecular Biology

3:20 PM	**Mechanistic Approach To Thyroid Receptor Activity In Cancer Models**		**# 240**
Presenter:	Emma Caszatt	Mentor: Dr. Amy Defnet	
3:20 PM	**The Wonderfully Understudied World Of Protein: Understanding 3PU9**		**# 241**
Presenter:	Spencer Mefford	Mentor: Dr. Amy Defnet	
3:20 PM	**Investigation Of The Role Of AP-1 Transcription Factors In T1 Antigen Transformed Human Dermal Fibroblast Cells**		**# 242**
Presenter:	Kellie Simon	Mentor: Dr. Amy Defnet	
3:20 PM	**Addition Of Luminescent Metal-Organic Framworks (Lmofs) To Gun Powder For Detection Of Gunshot Residue**		**# 243**
Presenter:	Sophia Calzola	Mentor: Dr. Jeffrey Rood	
3:20 PM	**Magnetic-Bead ELISA For Detection Of Lyme Disease**		**# 244**
Presenter:	Corey Matriccino	Mentor: Dr. Lauren Toote	

Chemistry

3:20 PM	**Progress Toward The Synthesis Of A 6-Amino-5-Triazolylpyridin-2(1H)-One PNA Nucleobase (Jtr) To Improve PNA-RNA-RNA Binding Affinity And Selectivity Through Pi-Pi Stacking**		**# 245**
Presenters:	Isabell Anderson, Gabriel Sczesniak	Mentor: Dr. James MacKay	
3:20 PM	**Synthesis Of 1,2,3-Triazoles With Acid Cleavable Protecting Groups Via Copper-Catalyzed Azide Alkyne Cycloaddition**		**# 246**
Presenters:	Jacqueline Hammond, Arianna Lepratto, Kaylee Whiteford	Mentor: Dr. James MacKay	
3:20 PM	**Synthesis Of An Extended Nucleobase Containing An Oxygen-Linker For Uracil Recognition In Double-Helical RNA Utilizing A Directed Lithiation And Nucleophilic Aromatic Substitution**		**# 247**
Presenter:	Maxwell Marra	Mentor: Dr. James MacKay	
3:20 PM	**The Mystery Of The Mount Gretna Fountain: Using Chemistry To Determine The Cause Of The Clog**		**# 248**
Presenters:	Laasya Reddy Pesaladinne, Janhavi Raj	Mentor: Dr. Amy Defnet	
3:20 PM	**From Aisle To Apiary: Analyzing The Chemical Profiles Of Store-Bought And Local Honey**		**# 249**
Presenter:	Ella Powers	Mentor: Dr. Jeffrey Rood	

3:20 PM	**Microwave-Assisted Synthesis And Luminescence Of Polypyridyl Zirconium Complexes For Inclusion Into Metal-Organic Framework**		**# 250**
Presenter:	Matthew Lamb	Mentor: Dr. Jeffrey Rood	
3:20 PM	**Microwave-Assisted Synthesis And Photophysical Characterization Of Rhenium And Osmium Complexes For Inclusion Into Luminescent Metal-Organic Frameworks**		**# 251**
Presenter:	Robert Lynch	Mentor: Dr. Jeffrey Rood	
3:20 PM	**Development Of A Nanoparticle-Based Lateral Flow Assay For The Detection Of Mercury In Drinking Water**		**# 252**
Presenter:	Cameron Snelbaker	Mentor: Dr. Lauren Toote	

Neuroscience

3:20 PM	**Microglial Mechanisms In SARS-Cov-2-Induced Depression: A Literature Review Of Pathways And Sex Differences In Individuals With Long-Covid**		**# 260**
Presenter:	Victoria Flores	Mentors: Dr. Jennifer Wittmeyer, Dr. Debra Wohl	
3:20 PM	**Visualizing 8p Chromosome Rearrangements: Interactive Dashboards For Genotype-Phenotype Insights**		**# 261**
Presenter:	Jack Hulse	Mentor: Dr. Jennifer Wittmeyer	

Psychology

3:20 PM	**Skin Conditions: Body Image Intervention And Promotion**		**# 262**
Presenter:	Natalie Alexander	Mentors: Dr. Elizabeth Dalton, Dr. Jean Pretz	
3:20 PM	**Exploring Predictors Of College Students' Attitudes Towards Individuals With Disabilities**		**# 263**
Presenter:	Makenna Snyder	Mentor: Dr. Jean Pretz	
3:20 PM	**Isolation Among Queer Individuals**		**# 264**
Presenter:	Kassidy Maenner	Mentor: Dr. T. Evan Smith	

Education

3:20 PM	**Reclaiming Student Engagement And Authorship: Rhetoric In Secondary ELA Classrooms**		**# 265**
Presenter:	Vince Clay	Mentor: Dr. Kevin Peters	
3:20 PM	**Co-Teaching Outcomes In Title I Schools: How IEP Representation Shapes Instruction For Upper Elementary Learners**		**# 266**
Presenter:	Maeve Keefe	Mentor: Dr. Kevin Peters	
3:20 PM	**The Influence Of Oral Storytelling On Building Reading Comprehension Skills**		**# 267**
Presenter:	Chelsea Mascioli	Mentor: Dr. Kevin Peters	
3:20 PM	**Addressing The Special Education Teacher Shortage: Perceptions Of Pre-Service Teachers Regarding Special Education Certification And District Reassignment Practices**		**# 268**
Presenters:	Marissa Puleo, Emily Witmer, Karli Jones	Mentor: Dr. Kevin Peters	

Communications

3:20 PM	**Coverage Of News Stories By Mainstream And Non-Traditional News Organizations And Journalists On Tiktok**		**# 269**
Presenter:	Madilyn Fratis	Mentor: Dr. Kirsten Johnson	

Education

3:20 PM	**Building Bridges For A Brighter World: Connecting Communities Through Education**		**# 270**
Presenter:	Kara Bidgood Enders	Mentor: Dr. Kevin Peters	

Political Science

3:20 PM	**Perceptions Of The Economy And Anti-Immigrant Policy**		**# 271**
Presenter:	Jess Falconer	Mentor: Professor Nathan Gibson	

Occupational Therapy

3:20 PM	**Exploring Elementary PE Teachers' Confidence In Adaptive Physical Education: Implications For Occupational Therapy Collaboration**		**# 275**
Presenter:	Hannah Lupfer	Mentors: Dr. Marla Davis, Dr. Kevin Peters	
3:20 PM	**Harnessing The Benefits Of Aquatic Therapy For Community Dwelling Older Adults: A Review For Occupational Therapy Practitioners**		**# 276**
Presenter:	Audrey Bower	Mentor: Dr. Gina Fox	
3:20 PM	**How Occupational Therapy Educational Material Interventions Support Emerging Adults With Cystic Fibrosis**		**# 277**
Presenter:	London Cerullo	Mentor: Dr. Nancy Carlson	

Computer Science Capstone Projects

Computer Science

3:20 PM	**Document Intelligence: A Web-Based Document Management System With Version Control And Role-Based Access**		**# 278**
Presenters:	Joey Wagner, Mildred Nwachukwu-Innocent, Owen Yang	Mentor: Dr. Jessica Wang	
3:20 PM	**Silverslayer: An Integrated Cybersecurity Training Game And Home Lab Environment**		**# 279**
Presenters:	Asher Wayde, John McGovern, Martin Ratchford	Mentor: Dr. Jessica Wang	
3:20 PM	**Design And Implementation Of A Conversational Escalation Pipeline In Microsoft Teams**		**# 281**
Presenters:	Alexander Roop, Hunter Rohrbaugh	Mentor: Dr. Jessica Wang	
3:20 PM	**Jaywiki: A Cloud-Based Gallery Platform For Etown Computer Science Projects**		**# 282**
Presenter:	Matthew Smith	Mentor: Dr. Jessica Wang	

CS 350 From Data Mining to Deep Learning

Computer Science — Dr. Peilong Li

3:20 PM	**Emotracker: An Integrated Multi-Modal AI Emotion Recognition System**		**# 283**
Presenters:	Aaron Frist, Alexander Pellet, Matthew Smith	Mentor: Dr. Peilong Li	
3:20 PM	**Storyforge: An AI-Powered Platform For Interactive, Branching Storytelling**		**# 284**
Presenters:	Matthew Smith, James Buck	Mentor: Dr. Jessica Wang	

Computer Science Capstone Project

3:20 PM	**Design And Implementation Of A Web-Based Color Preference Analytics System**		**# 285**
Presenter:	Owen Wertzberger	Mentor: Dr. Jessica Wang	

Economics

3:20 PM	**Engineering Applications Of Control Theory For Short-Run Electricity Price Stabilization In High-Renewable Markets**		**# 286**
Presenter:	Isaac Reichenbach	Mentor: Dr. Sanjay Paul	

Engineering	Community-Based Projects EGR 201	
3:20 PM	**Access System For 3D Printing In The Makerspace**	**# 300**
Presenters:	Lucas Beaver, Santiago Caballero Alvarez, Vincent Liu, Jackson Moul, Noah Peiffer	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Adaptable Shelf Design For The Makerspace**	**# 301**
Presenters:	Robbie Hartman, Peyton Houlihan, Lily Shultz, Veyha Tang, Luke Williams	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Busy Board For Individuals With Dementia**	**# 302**
Presenters:	Nathan Fritz, Pat Neyer, Jacob Nichols, Bradley Wright	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Carrying Case For Earthquake Board**	**# 303**
Presenters:	Domenic Giordano, Luis Guzman Maldonado, Lucas Scheib, Charlie Sheerer, Ethan Spencer	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Copper Etching Station**	**# 304**
Presenters:	Allison Bushey, Nathaniel Butz, Arden Kiner, Brandon Stepp, Tanner Uhde	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Holiday Parade Display**	**# 305**
Presenters:	Isabella Green, Gavin Hawley, Evelyn Mormino, Paul Sanderson, Delan Zinyau	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Interactive Board For Playground Fence: Team B**	**# 306**
Presenters:	DeMarco Bell, Samuel Frey, Wyatt Juczak, Colden Warren, Crew Wells	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Interactive Display For Playground Fence: Team A**	**# 307**
Presenters:	Barron Bishop, Katie Bolig, Danny Jenkins-Ford, Addison Kleinle, Jonah Pertet	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Modular Reconfigurable Tool Access System For Makerspace**	**# 308**
Presenters:	Noah Fraser, Kirsten Navich, Jake Ruple, Gavin Shaw	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada
3:20 PM	**Mud Kitchen**	**# 309**
Presenters:	Habiba Abouelnagah, Hailey Meyer, Brennan Ruppert, Emma Walter, Brayden Welzel	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood
3:20 PM	**Outdoor Playground Equipment**	**# 310**
Presenters:	Zane Cooper, Febian Dawit, Ty Hornick, Evan Spencer, Cole Warner	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood
3:20 PM	**Peruvian Art Display Case**	**# 311**
Presenters:	Seth Haak, Miles Dougherty, Cole Lovell, Brett Reed, Mariia Yeni	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood
3:20 PM	**Retro Music Player**	**# 312**
Presenters:	Aden Geary, Drew Hall, Riley Hoffman, Evan Johnson, Marco Niosi	Mentors: Dr. Mark Brinton, Dr. Brenda Daily, Dr. Sara Atwood, Dr. Tomás Estrada

Engineering

3:20 PM	**The Future Of Photovoltaics: Recycling, Economics, And Emerging Applications**		**# 315**
Presenter:	Jack Gress	Mentors: Dr. Brenda Daily, Dr. Mark Brinton	
3:20 PM	**Creating Consistent Hand Sensations Evoked By Transcutaneous Nerve Stimulation At The Wrist**		**# 316**
Presenter:	Hunter Taggart	Mentor: Dr. Mark Brinton	
3:20 PM	**Miniaturized Constant Current Stimulator From High Voltage Pulses**		**# 317**
Presenter:	Emmanuel Attah	Mentor: Dr. Mark Brinton	

Engineering Senior Project

Shannon Clancy

3:20 PM	**Team 1: Live Fire Training Device**		**# 401**
Presenters:	Eli Andy, Cole Burkhardt, William Mickulik, Taylor Strader	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 2: Parker Hannefin Hot Plate Capper**		**# 402**
Presenters:	Brennan Bower, Jazz Gonzalez, Samuel Senkowicz, William Sipe, John Weaver	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 3: Vagus Nerve Stimulator**		**# 403**
Presenters:	Jack Gress, Kayla Harvey, Nicholas Prokic, Steven Rice, Brent Wehland	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 4: Adaptive Game Controller**		**# 404**
Presenters:	Justin Cedeno, Keagan Kinney, Pedro Menezes de Castro Miranda, Grant Seville, Brock Troutman, Elijah Wagner	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 6: Etown Detention Pond**		**# 406**
Presenters:	Dominic Andrews, Daniel Dein, Dylan Groshek, Owen Heffner, Dallas Scicchitano	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 7: Bleachers ADA Ramp And Platform**		**# 407**
Presenters:	Kaylee Blair, Andrew Bolig, Angela Costa-Ouimet, Colby Farrisi, Bradley Wright	Mentors: Dr. Shannon Clancy,Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 9: Athletic Motion Capture**		**# 408**
Presenters:	David Conde Rodriguez, Leif Hoffman, James Hutchins, Vincent Liu, Evan Swanson	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 8: Wastewater Sewer System**		**# 409**
Presenters:	Melisa Bulut, Caroline Casumpang, Jacob Ebert, Alexander McClain, Schumy Pascal	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	
3:20 PM	**Team 5: Medication Storage For Unhoused Populations**		**# 410**
Presenters:	Ian Bender, Michael Ickes, Braydon Malley, Isaac Reichenbach, Chris Reilly	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner, Dr. Tomás Estrada	

Information Systems

3:20 PM	**Blue Jay Pantry**		**# 412**
Presenters:	Megan Benson, Andrew Heyeh, Rohan Chappali	Mentor: Professor Nancy Reddig	

Computer Science Capstone Project

Computer Science

3:20 PM	**Nest Planner: A Department-Level Automated Course Scheduling System**	**# 413**
Presenters:	Laney Humble, Parker Engle, Aya Zourgani	Mentor: Dr. Jessica Wang

Software Engineering Projects

Information Systems

3:20 PM	**Fantasy Stocks**	**# 414**
Presenters:	Paul Davis, Ryder Paulus, Aya Zourgani	Mentor: Professor Nancy Reddig
3:20 PM	**Jaycloset**	**# 415**
Presenters:	Farnaz(Teddy) Bazyar, Isabella Edwards, Isabella La Face, Kylie Ueda	Mentor: Professor Nancy Reddig
3:20 PM	**Uis (Unified Inventory System)**	**# 418**
Presenters:	Rein Alderfer, Alexander Pellet, Drew Urenko, Hector Franco	Mentor: Professor Nancy Reddig

Engineering Senior Project

Engineering

3:20 PM	**Team 10: Interactive Tabletop**	**# 419**
Presenters:	Andrew Ament, Braden Scott, Austin Smith, Owen Wertzberger, Ryan Woodruff	Mentors: Dr. Shannon Clancy, Dr. Judson Wagner , Dr. Tomás Estrada

Information Systems

3:20 PM	**Robot Simulation**	**# 420**
Presenters:	Andrew Ament, Hunter Rohrbaugh, Braden Scott, Ryan Woodruff	Mentor: Professor Nancy Reddig

Scholarship and Creative Arts Day Participant Index

A

Abbott, Ariel: 10
Abouelnagah, Habiba: 309
Adams, Emily: 200
Alderfer, Rein: 418
Alexander, Natalie: 262
Alton, Emma: 20
Ament, Andrew: 419, 420
Amoroso, Alessandro: 180
Amrhein, Kenzie: 10
Anderson, Isabell: 245
Andrews, Dominic: 406
Andy, Eli: 401
Arthur, Brendan: 133
Asper, Callie: 80
Attah, Emmanuel: 317

B

Baney, Thatcher: 95
Barger, Luke: 128
Bartolomei, Billy: 128
Bateman, Haley: 155
Bazyar, Farnaz (Teddy): 10, 415
Beach, Micheal: 128
Beaver, Lucas: 300
Bell, DeMarco: 306
Bender, Ian: 410
Benedict, Kyler: 128
Benson, Megan: 412
Betancur, Kevin: 128
Bidgood Enders, Kara: 270
Biesiadecki, Hayley Violet: 20
Bishop, Barron: 307
Blades, Gillian M.: 20
Blair, Kaylee: 407
Bolig, Katie: 307
Bolig, Andrew: 407
Bonanno, Dominick: 182
Boop, Madeline: 201
Bower, Audrey: 12, 276
Bower, Brennan: 402
Boylan, Catherine: 184
Boyle, Eli: 10, 141
Brayden, Welzel: 309
Brelsford, Julie: 171
Brockett, Adam: 45
Brown, Trager: 180
Buck, James: 112, 284
Buffington, Abigail: 20
Bulut, Melisa: 409
Buohl, Camdyn: 12
Burkhardt, Cole: 401
Bushey, Allison: 304
Butz, Nathaniel: 304
Byrne, Emily: 71

C

Caballero Alvarez, Santiago: 300
Calzola, Sophia: 243
Cannon, Madison: 73
Carmosin, Blake: 10
Carr, Morgan: 195
Casumpang, Caroline: 409
Caszatt, Emma: 240
Cedeno, Justin: 404
Cerullo, London: 277
Chappali, Rohan: 412
Cilio, Gabriella: 20
Clay, Vince: 265
Collins, Alexandra: 10
Conde Rodriguez, David: 408
Cooper, Zane: 10, 310
Costa-Ouimet, Angela: 407
Costenbader, Grace M.: 20
Cowger, Isabella: 10
Creaney, Shannon: 20
Cunningham, Cadence: 46
Curtis, Ben: 128
Czuday, Madi: 128

D

Davenport, Dion: 46
Davis, Whitney: 10
Davis, Paul: 414
Dawit, Febian: 310
DeBlasio, Lilianna: 220
Dein, Daniel: 406
Dennis, Richard: 128
Denniston, Will: 46
Diaz, Jay: 221
DiPlacido, Chris: 202
Dougherty, Miles: 311
Douglass, Ryley: 12
Drumheiser, Cassandra: 72
Drumheller, Madison K.: 20
Dunn, Jessica: 10
Dutko, Jordyn: 47

E

Ebert, Jacob: 409

Scholarship and Creative Arts Day Participant Index

Ecenrode, Lilly: 10
Eckstein, Alyssa: 20
Edwards, Isabella: 415
Emma, Walter: 309
Engle, Parker: 63, 413
Erb, Ceinwyn: 225
Evan, Johnson: 312
Evoy, Kylie E.: 20

F

Fair, Kylie: 20
Falconer, Jess: 10, 271
Fangman, Mason: 128
Farrisi, Colby: 407
Fasnacht, Ella: 10
Ferrarese, Bridget: 128
Flocco, Grace: 20
Flores, Victoria: 260
Ford, Erin: 45
Fortune, Erina: 90
Fox, Justin: 128
Franco, Hector: 418
Frankum, Jack: 128
Fraser, Noah: 308
Fratis, Madilyn: 269
Frederick, Madisyn: 20
Frey, Samuel: 306
Frist, Aaron: 163, 283
Fritz, Nathan: 302
Fulfer, Paul: 203
Fulk, Ella: 92

G

Gabbrd, Casey: 131
Gainer, Waid: 128
Garcia, Jiovany: 128
Garza Gomez, Rafa: 128
Geary, Aden: 312
Georgieff, Jesse: 128
Gilbert, Anya: 204
Gilfillan, Emma: 220
Gingrich, Shannon: 51
Giordano, Domenic: 303
Girvan, Aaron: 205
Glassford, Morgan: 224
Glick, Kai: 128
Gohn, Kaci: 98, 181
Gonzalez, Jazz: 402
Green, Rebecca: 46
Green, Isabella: 305
Gress, Jack: 315, 403
Groshek, Dylan: 406
Guzman Maldonado, Luis: 303
Guzzo, Juliana: 10

H

Haak, Seth: 311
Halber, Larissa: 47
Haldeman, Chloe: 118
Hall, Drew: 312
Hammond, Jacqueline: 246
Harrell, Emily: 12
Hart, Alex: 128
Hartman, Robbie: 301
Harvey, Kayla: 403
Hattar, Jibrail: 12
Hatzell, Luke: 53
Hawley, Gavin: 10, 305
Heffner, Owen: 406
Heidelbaugh, Lauren: 191
Henry, Gabriel: 182
Hepler, Kambrie E.: 20
Heyden, Gillian: 20
Heyeh, Andrew: 412
Hildreth, Joey: 128
Hodgdon, Anika: 82
Hoffman, Riley: 10, 312
Hoffman, Leif: 408
Holl, Kylie: 222
Hornick, Ty: 310
Houlihan, Peyton: 301
Hulse, Jack: 261
Humble, Laney: 12, 63, 413
Hunter, Josephine: 20
Huston, Thomas: 128
Huston, Jacqueline: 20
Hutchins, James: 408

I

Ickes, Michael: 410
Ingersoll, Amelia: 227

J

Jacobs, Nicholas: 102
Jandzio, Cara E.: 20
Jenkins-Ford, Danny: 307
Jensen, Caitlyn: 81
Johnson, Rachael: 103
Johnson, Kirra: 127
Johnson, Kamauri: 128
Jones, Destiny: 10
Jones, Karli: 268
Juczak, Wyatt: 306

Scholarship and Creative Arts Day Participant Index

Kadary, Marwa: 45
Keefe, Maeve: 266
Kenvin, Elena: 20
Kerr, Nathan: 128
Kiner, Arden: 304
King, Jedd: 128
Kinney, Keagan: 404
Kleinle, Addison: 307
Kopinetz, Taylor: 20
Kreider, Acacia: 206
Krey, Emily: 47
Kugle, Hannah: 45
Kukulka, Loren: 232
Kurpis, Joe: 207
Kurpis, Isabella: 20
Kutteh, Elizabeth: 154
Kvech, Paul: 10

L

La Face, Isabella: 415
Lachman, Percy: 170
Laity, McKenzie: 228
Lamb, Matthew: 250
Landrum, Asher: 229
Leaman, Logan: 128
Lefever, Carson: 128
Legaspi, Cecelia: 10
Lepratto, Arianna: 10, 246
Lewis, Cheyenne: 20
Liu, Vincent: 300, 408
Lkhagvasuren, Emujin: 10
Lloyd, Ernest: 10, 208
Longenecker, Ella: 20
Lovell, Cole: 311
Lupfer, Hannah: 275
Lutz, Nathan: 182
Lynch, Robert: 251

M

Maas, Reid: 48
Machmer, Samantha: 20
Maenner, Kassidy: 264
Maestre Puello, Alejandro: 128
Malley, Braydon: 410
Marquette, Ethan: 128
Marra, Maxwell: 247
Marraccini, Justin: 91, 185
Marshall, Maximus: 12
Marshall, Jon-Marc: 128, 209
Marshall, Elizabeth: 210
Mascioli, Chelsea: 267
Matriccino, Corey: 244
Mbah, Charles: 128
McCann, Elizabeth: 190
McClain, Alexander: 409
McGovern, John: 111, 279
McMahon, Leandra: 115
McMahon, Leandra: 134
Medley, Will: 128, 211
Mefford, Spencer: 241
Menezes de Castro Miranda, Pedro: 404
Mentzer, Ellison: 128
Meyer, Hailey: 309
Micheletti, Lauren: 48
Mickulik, William: 401
Miller, Mikalya: 212
Monthei, Ella: 10
Mormino, Evelyn: 305
Morrell, Nicole: 213
Moser, Nate: 185
Moul, Jackson: 300
Muskens, Ellie: 172

N

Nagle, Maureen E.: 20
Navich, Kirsten: 308
Neyer, Pat: 302
Nicholas, Madelyn: 97
Nichols, Jacob: 302
Niosi, Marco: 312
Nolan, Rayne: 128
Novosel, Sara: 20
Nunes, Tainan: 173
Nwachukwu-Innocent, Mildred: 61
Nwachukwu-Innocent, Mildred: 278

O

O'Brien, Conor: 70
O'Donnell, Shannon: 230
Oliphant, Gabrielle: 120

P

Pacheco, Angelymarie: 221
Palmer, Mason: 183
Panckeri, Jacob: 231
Pascal, Schumy: 409
Paul, Cecelia: 232
Paulus, Ryder: 414
Peiffer, Noah: 300
Pellet, Alexander: 163, 283, 418

Scholarship and Creative Arts Day Participant Index

Pertet, Jonah: 307
Pesaladinne, Laasya Reddy: 248
Poles, KhaliQ: 128
Powers, Ella: 249
Powl, Nicholas: 128
Price, Connor: 162
Prokic, Nicholas: 403
Puleo, Marissa: 268

Q

Queen, Ash: 10

R
Raj, Janhavi: 248
Rajnik, Elizabeth: 20
Randolph, Zachary: 223
Ratchford, Martin: 111, 279
Rathell, Emily: 152
Reed, Makenzi: 126
Reed, Brett: 311
Reice, Andrew: 153
Reichenbach, Isaac: 286, 410
Reilly, Chris: 410
Renteria, Kathy Saldana: 160
Rice, Dylinn: 151
Rice, Steven: 403
Rich, Logan: 130
Ringwald, Nicole E.: 20
Rockey, Samuel: 223
Roeder, Griffin: 128
Rogers, Hugh: 128
Rohrbaugh, Hunter: 110, 281, 420
Roop, Alexander: 110, 281
Ruch, Alex: 128
Ruple, Jake: 308
Ruppert, Brennan: 309

S

Sakrudkar, Malini: 48
Salgado, Yeshua: 128
Salman, Donya: 45
Sanderson, Paul: 305
Sawyer, Martin: 10
Scheib, Lucas: 303
Schwing, Nathan: 180
Scicchitano, Brice: 128
Scicchitano, Dallas: 406
Scott, Braden: 419, 420
Sczesniak, Gabriel: 245
Senkowicz, Samuel: 402
Seville, Grant: 55, 404
Shanberger, Chloe: 184
Shaw, Gavin: 308
Sheerer, Charlie: 303
Shires, Kelsey: 10
Shultz, Lily: 301
Simon, Kellie: 242
Sipe, William: 402
Small, Samantha: 10, 40
Smith, Alysse: 125
Smith, Ethan: 128
Smith, Austin: 419
Smith, Matthew: 62, 112,163, 282, 283, 284
Snelbaker, Cameron: 252
Snyder, Patrick: 47
Snyder, Makenna: 117, 263
Sokol, Wyatt: 128
Solito, Gia: 12
Solomon, Kaylee: 10
Spencer, Ethan: 303
Spencer, Evan: 310
Stanek, Lucy: 128
Stephens, Cayden: 46
Stepp, Brandon: 304
Stinson, Will: 128
Stolarik, Blake: 181
Strader, Taylor: 10, 401
Sullivan, Kara: 150
Summers, Parker: 128
Sumner, Logan: 128
Swanson, Evan: 408
Swendrowski, Alexandra: 181
Swinehart, Ellie: 214

T

Taggart, Hunter: 316
Tague, Marina: 12
Tang, Veyha: 301
Thomas, Leah M.: 20
Tirado, Desiree: 96
Tissue, Emily: 20
Traina, Dominic: 162
Trautenbach, Kai: 47
Troutman, Rachel: 140
Troutman, Brock: 404
Twigg, Josiah: 224
Tylka, Claire: 20

U

Ueda, Kylie: 160, 415
Uhde, Tanner: 304

Ulmer, Kendall: 20
Urenko, Drew: 161, 418

Valencia, Carlos: 161
Valeriano, Dominic: 128
Vasile, Enzo: 128
Vottero, Jake: 10

W

Wade, Nathan: 128, 215
Wagner, Joey: 61, 278
Wagner, Elijah: 404
Walker, Hannah: 222
Walko, Joseph: 132
Walter, Noah: 12
Ward, Hunter: 128
Warner, Cole: 310
Warren, Colden: 306
Wasylyk, Elizabeth: 225, 226
Watts, Mackenzie: 121
Wayde, Asher: 111, 279
Weaver, John: 402
Wehland, Brent: 403
Weller, Hanna: 50
Wells, Crew: 306
Wertzberger, Owen: 60, 285, 419
Whiteford, Kaylee: 246
Williams, Alex: 48
Williams, Luke: 128, 301
Wingert, Maegan: 83
Witmer, Emily: 268
Wood, Tristan: 128
Woodruff, Loren: 10
Woodruff, Ryan: 419, 420
Wright, Micheal: 128
Wright, Bradley: 302, 407

Y

Yang, Owen: 61, 278
Yeni, Mariia: 128, 311
Young, Gwyneth: 135

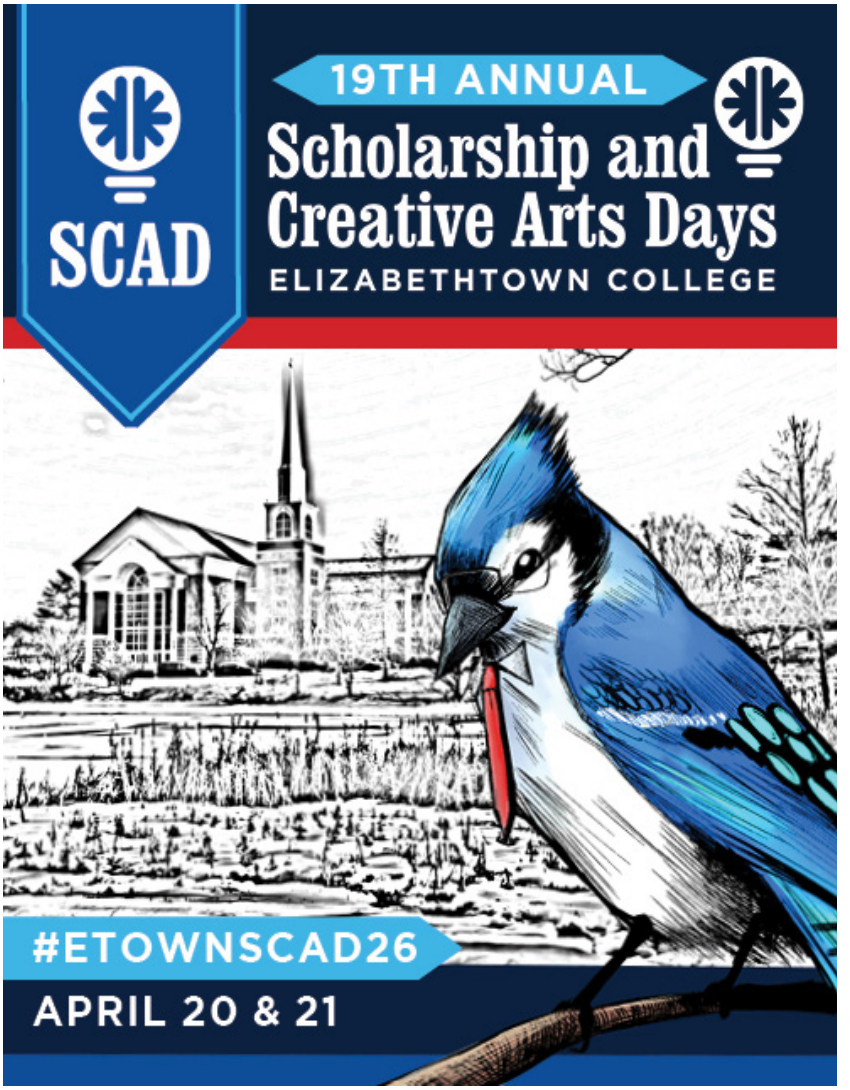
Z

Zachary, Deah: 52
Zaitz, Ben: 128
Zimmerman, Mason: 128
Zinyau, Delan: 305
Zolomij, Skye: 48
Zourgani, Aya: 63, 413, 414
Zumbano, Teagan: 10

Scholarship and Creative Arts Day Program Cover Contest

Congratulations to this year's winner!

Ariel Abbott '27



Artists Statement:

For this cover design for SCAD 2026, I wanted to incorporate what I've learned over the years from my graphic design coursework: branding, illustration, and photo editing. I also illustrated a blue Jay wearing a tie and glasses, to symbolize the preparation and professionalism that students bring to their SCAD presentations and projects. Through this piece, I aimed to capture a visual identity that honors our academic presentations and the creative spirit of our student body.