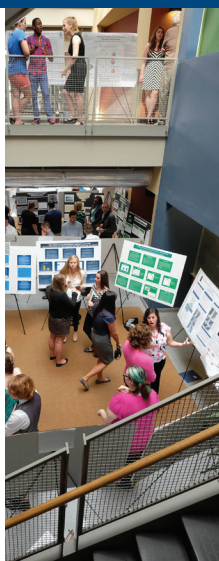


FIFTEEN YEARS OF SHOWCASE!



STUDENT SHOWCASE

Friday, May 5, 2023



**HARTWICK
COLLEGE**

HARTWICK COLLEGE IS PROUD TO CELEBRATE THE FIFTEENTH ANNUAL STUDENT SHOWCASE.



Originally a symposium to highlight students in the Biology department, Student Showcase emerged in 2008 as an opportunity for all students to highlight their scholarly accomplishments and achievements. In presentations, poster displays, panel discussions, classroom sessions, performances, readings, table talks, exhibitions, and demonstrations, Hartwick students share their best work with the community on major projects and experiences. Over the last 15 years, Student Showcase has become a pillar of the Hartwick College experience and provides insight into the hard work and research conducted by students during their time here. As a major milestone, Student Showcase gives students an opportunity to show off everything they have learned through the years.

Fifteenth Annual

STUDENT SHOWCASE

Friday, May 5, 2023

Presentations and exhibitions showcasing Hartwick students' achievements along their FlightPath.

2023 STUDENT SHOWCASE: GENERAL SCHEDULE

8 – 8:20 a.m.	Coffee Reception Golisano Hall and Johnstone Science Center lobbies
8:20 a.m. to noon	Oral Presentations, Symposia, Table Tops, and Readings Golisano Hall, Johnstone Science Center, and Yager Hall
10:00 a.m. to noon	Museum Studies Exhibition Yager Museum of Art & Culture
10 a.m.-6 p.m.	Native Plant Sale Johnstone Science Center
Noon to 1:00 p.m.	Lunch at The Commons, Dewar Union Open to students, faculty, staff, and Hartwick guests
1:00-2 p.m.	Word of Mouth Magazine Release Eaton Lounge, Bresee Hall
1:30-2 p.m.	Student Showcase Awards & Honors Reception Farrington Room, Dewar Union (by invitation)
2 – 4 p.m.	Poster Presentations, Oral Presentations, Table Tops, Exhibitions, and Performances Anderson Center for the Arts,
4:30 p.m.	Graduate Celebration & Rising Hawks Recognition Awards Yager Museum of Art & Culture

STUDENT SHOWCASE PRESENTATION DETAILS ON HARTLINK

Use the HartLink App to add presentation events to your personal calendar. Download the HartLink (Presence) App from the AppStore or GooglePlay.

www.hartwick.edu/studentshowcase



STUDENT SHOWCASE COMMITTEE

Melody Best '84, Assistant Professor of Nursing, Chair

Michael Branch, Assistant Professor of Sociology and Criminal Justice, Co-Chair

Richard Barlow, Associate Professor of Art

Ryan Butler, Major Events Coordinator

Stephanie Brunetta, Web Administrator

Pat Dopazo, Director of Planned Giving

Paul Habernig, Executive Director of Campus Vibrancy

Cindy McKown, Multimedia Designer

Karl Seeley, Associate Professor of Economics

Tammy Sousa, Head Equestrian Coach

**The Showcase Committee wishes to express our sincere appreciation to the coaches and student volunteers from the Athletic Department who help keep us on track and on time on this special day. Thank you.

SPECIAL AWARDS AND RECOGNITION

► **FREEDMAN PRIZE** | The Freedman Prize, established by Dr. Allen Freedman H'00 and Dr. Judy Brick Freedman H'13 in 2002, recognizes superior student-faculty collaborative research and creative projects.

► **THE DUFFY FAMILY AMBASSADOR AWARDS** | The Duffy Family Ambassador Awards were established in 1999 by former Hartwick Trustee John Duffy H'00, P'91, P'95 and his wife, Anne Duffy P'91, P'95. The awards help students have the types of global experiences from which they are particularly likely to gain insights into themselves and others across national, cultural, and language borders.

► **EMERSON INTERNATIONAL INTERNSHIP SCHOLARSHIPS** | This year's Emerson International Internship scholarship winners join more than 100 Hartwick students who have received Emerson awards to work abroad since 1996. The Emerson Scholarship was established with the generous support of the Fred L. Emerson Foundation to enable students to expand their postgraduate career options through international internships.

► **THE SEMENENKO CLARK AWARD FOR EXCELLENCE IN ART & ART HISTORY** | The award was established by Christine Semenenko P'09 to promote excellence in the Department of Art and Art History. Funds support students as they excel in their chosen areas.

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IN MEMORIUM

Hartwick College mourns the passing of Anne Kinney Duffey, wife of trustee John Duffy and mother of Hilary Duffy '91 and Kevin Duffy '95. With her husband, she was the benefactor of the Duffy Family Ambassador Fund Scholarship, established in 1999.

STUDENT SHOWCASE SCHEDULE AND DESCRIPTIONS

Oral presentation | Reading, performance, or art exhibition

8 – 8:20 a.m. | Golisano 201 | **Business Administration**

Navigating ChatGPT

Presenter: **Robert Connors '23** | Mentor: **Pauline Stamp**

8 – 9 a.m. | Golisano 203 | **Literature, Media, and Writing**

Reflections on the Sigma Tau Delta Convention (English)

Presenter: **Sofia Escobar '24** | Mentors: **Brad Fest**

Additional presenters: **Joseph Catalono, Paige Eaton, Sara VanValkenburg**

8 – 9:20 a.m. | Golisano 103 | **Political Science**

Local and State Government Internship Program

Moderator: **Laurel Elder**

Additional presenters: **Jack Mahn, Addy Colligan, Jasmin Ahmed, Laura Copeland, Aniyah Stephens, Alice Johnson, Jady Carroll, Amelia Williams, Saniah Reeves, Nick Elliot Veloz-Gallardo**

8 a.m. – noon | Johnstone Science Center Lobby | **Computer Science**

Arcade Machine Revitalization Project

Presenter: **Mohamed Bagayoko '23** | Mentor: **Howard Lichtman**

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8:20 – 8:40 a.m. | Golisano 201 | **Business Administration**

Marketing (ISP)

Presenter: **Liam Drennan '23** | Mentor: **Chad Anderson**

8:20 – 8:40 a.m. | Johnstone Science Center 201 | **Computer Science**

Computer Vision Game

Presenter: **Jakhongirkhon Sultankhodjaev '23** | Mentor: **Howard Lichtman**

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8:40 – 9 a.m. | Golisano 201 | **French, Art, Global Studies**

Senegal J-Term Abroad 2023

Presenter: **Megan Bryla '26** | Mentor: **Richard Barlow**

Additional presenters: **Gianny Ramos-Maya, Jade Kelly**

8:40 – 9 a.m. | Johnstone Science Center 201 | **Computer Science**

Personalized Firewalls

Presenter: **Evan Johannis '23** | Mentor: **Howard Lichtman**

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9 – 9:20 a.m. | Golisano 201 | **Economics**

The American Dream: An Analysis of Social Mobility

Presenter: **Christian Holoquist '23** | Mentor: **Carli Ficano**

9 – 9:20 a.m. | Golisano 203 | *Environment, Sustainability, and Society, Economics*
Travelling on Two Wheels: History & Expansion of Bicycle Infrastructure
Presenter: **Nicholas Canney '23** | Mentor: **James Buthman**

9 – 9:20 a.m. | Johnstone Science Center 201 | *Computer Science*
TRC Inventory Management System
Presenter: **Hearthon Sewell-Richards '23** | Mentor: **Howard Lichtman**

9 – 9:20 a.m. | Johnstone Science Center 205 | *Biochemistry*
Cloning and recombinant expression of a lactobacillus ferulic acid esterase for potential use in beer.
Presenter: **Hannah Bochniak '23** | Mentor: **Andrew Piefer**

9 – 9:20 a.m. | Johnstone Science Center 215 | *Biology*
Do Monarch Butterflies Prefer to Lay Eggs on Native or Cultivar Milkweeds?
Presenter: **Julie Mazariego '23** | Mentor: **Peter Fauth**

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9:20 – 10:40 a.m. | Golisano 103 | *Political Science*
Model European Union: Response to Conflict in Ukraine
Presenter: **John Mahn '23** | Mentor: **Amy Forster Rothbart**
Additional presenters: **Robert Noury, John Reichel, Julian Kovacs, Zachary Bengston, Moshfeka Ikfath Mithila, Katherine Coco, Kara Swartwood, Jasmin Ahmed, Awino Musyoka, Venessa Macharia**

9:20 – 10:40 a.m. | Golisano 201 | *Public Health*
Pandemic Challenges to Public Health: Education and Mental Health
Presenter: **Alexandra Finocchiaro '23** | Mentor: **Lisle W Dalton**
Additional presenters: **Ryleigh Cummiskey, Kaleigh Hedgecock, Sam Goldfarb, Alexandra Finocchiaro**

9:20 – 9:40 a.m. | Golisano 203 | *Environment, Sustainability, and Society*
Sustainability on Hartwick Campus
Presenter: **Matthew DeCurzio '23** | Mentor: **James Buthman**

9:20 – 9:40 a.m. | Johnstone Science Center 201 | *Computer Science*
AI Workout Assistant
Presenter: **Jared Jean-Jackson '23** | Mentor: **Wang Weian**

9:20 – 9:40 | Johnstone Science Center 205 | *Chemistry*
Ultrasonic-assisted extraction of phenolic compounds using Brewed Spent grain samples
Presenter: **Eleesha Jiminez '23** | Mentor: **Cody Webb**

9:20 – 9:40 a.m. | Johnstone Science Center 215 | *Biology*
Polystichum acrostichoides sporulation using different substrates with or without fertilizer
Presenter: **Sasha Taranto '23** | Mentor: **Peter Fauth**

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9:40 – 10 a.m. | Golisano 203 | **Public Health**
Sexually Transmitted Infections in Young Adults in the United States: A Meta-Analysis to Highlight Effective Methods Toward Decreasing the Incidence Rates of Chlamydia trachomatis (CT) On College Campuses
Presenter: Sharhea Wright-Havens '23 | Mentor: Raymond Mess

9:40 – 10 a.m. | Johnstone Science Center 201 | **Computer & Information Science**
Network Scalability
Presenter: Nick Andrade '23 | Mentor: Howard Lichtman

9:40 – 10 a.m. | Johnstone Science Center 205 | **Chemistry**
An Improved Friedel-Crafts Reaction for the Synthesis of a Quinone Aldehyde
Presenter: Alyssa Vellekoop '23 | Mentor: Wayne McMahon

9:40 – 10 a.m. | Johnstone Science Center 215 | **Biology**
Does claw loss affect predation on crayfish?
Presenter: Zachary Craft '23 | Mentor: Mark Kuhlmann

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10 – 10:20 a.m. | Golisano 203 | **Literature, Media, and Writing**
Fascism and Fantasy: How the reaction to diversity in Rings of Power exposed virulent white nationalism in Tolkien's audiences
Presenter: Paige Eaton '23 | Mentor: Tessa Yang

10 – 10:20 a.m. | Johnstone Science Center 205 | **Chemistry**
Quantitative and Qualitative Analysis of Two Esters in Beer
Presenter: Angelle Montanaro '23 | Mentor: Cody Webb

10 – 10:20 a.m. | Johnstone Science Center 215 | **Biology**
How do plants optimize their growth in the presence of multiple light sources?
Presenter: Brooke Cerar '23 | Mentor: Douglas Hamilton

10 a.m. – 12 p.m. | Yager Main Gallery | **Museum Studies**
A Deep Dive Into A Large Ocean: Tradition, Tourism, and Transformation in Micronesia Culture
Presenter: Gabriel Valenzuela '23 | Mentor: Doug Kendall
Project Manager: Noah Hurt, Gabriel Valenzuela
Collection Manager: Elizabeth Popyack, Noah Hurt & Gabriel Valenzuela
Curator: Madeline Pressnall, Gina Bellantoni & Rose Remplets
Exhibition Designer: Ashley Neier, Brooke Powell & Sara Staup
Interpretive Specialist/Script Writer: Jonathan Neal, Madeline Pressnall & Sara Staup
Program/Education Programmer: Elizabeth Popyack & Gina Bellantoni
Financial Coordinator: Jonathan Neal & Quwayne Lawrence
Marketing: Brooke Powell & Rose Remplets

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► **DUFFY SCHOLARSHIP**
10:20 – 10:40 a.m. | Golisano 203 | **Music**

Investigating vocal pedagogy by exploring Indian Carnatic music

Presenter: **Camila Ramos-Mercado '23** | Mentor: **Meghan Sheehy**

10:20 – 10:40 a.m. | Johnstone Science Center 205 | **Chemistry**

Thermodynamic study of furfuryl alcohol/maleimide Diels-Alder adduct

Presenter: **Benjamin Roden-Reynolds '23** | Mentor: **Mark Erickson**

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10:40 – 11 a.m. | Golisano 203 | **Music Education**

Music is for Everyone! Investigating Instrumental Music-Making Among K-12 students with Autism

Presenter: **Tristan Bachorik '23** | Mentor: **Meghan Sheehy**

10:40 – 11 a.m. | Johnstone Science Center 201 | **Physics**

Electromagnetic Projection

Presenter: **Peyton Reese '23** | Mentor: **Lawrence Nienart**

► **FREEDMAN PRIZE PROJECT**

10:40 – 11 a.m. | Johnstone Science Center 215 | **Biology**

Understanding type-IV filament appendages in the marine subsurface

Presenter: **Autumn Pope '23** | Mentor: **Stephanie Carr**

10:40 – 12 p.m. | Golisano 201 | **Public Health**

Topics in Public Health: Disabilities & Animals, Rural-Urban Divide, Oral Hygiene, App Surveillance

Presenter: **Tayler McDonald '23** | Mentor: **Lisle W Dalton**

Additional presenters: **Serinah Palafox, Tayler McDonald, Halle Feane, Momodou Gai**

10:40 a.m. – 12 p.m. | Golisano 103 | **Griffiths Center for Collaboration and Innovation**

Silicon Valley Entrepreneurship Program

Moderators: **Mike Walsh and Pat Dopazo**

Additional presenters: **Tienany “Junior” Bakayoko, Wesley Bruce, Samantha Caceres, Nicole Chaora, Margarita “Rita” Chistiakova, Sofia Escobar, Riley Gancio, Sarah Kipruto, Kaitlyn Montgomery, Awino Musyoka, Ransome Turner-Rush, Nuria Santos, Kara Swartwood**

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11 – 11:20 a.m. | Golisano 203 | **Music**

Musical Settings and Improvisation: Does period constrict creativity?

Presenter: **Louis Doherty '23** | Mentor: **Meghan K. Sheehy**

11 – 11:20 a.m. | Johnstone Science Center 201 | **Physics**

Is Nuclear Energy a viable source compared to fossil fuels?

Presenter: **Mackenzie Rowe '23** | Mentor: **Kevin Schultz**

11 – 11:20 a.m. | Johnstone Science Center 215 | **Biology**

JCAD's Involvement in Endothelial Permeability

Presenter: **Kaitlyn Montgomery '23** | Mentor: **Joshua Garrett and Eric Cooper**

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11:20 – 11:40 a.m. | Golisano 203 | **Music**

Could you Recognize the Wilhelm Scream?

Presenter: **Matthew Silva '23** | Mentor: **Meghan Sheehy**

11:20 – 11:40 a.m. | Johnstone Science Center 201 | **Physics**

Cylindrical Solar Furnace

Presenter: **Shane Lamparter '23** | Mentor: **Lawrence Nienart**

11:20 – 11:40 a.m. | Johnstone Science Center 215 | **Biology**

Engineering Yeast to secrete an Antimicrobial peptide

Presenter: **Felicia Omoya '23** | Mentor: **Eric Cooper**

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► **DUFFY SCHOLARSHIP**

11:40 a.m. – 12 p.m. | Golisano 203 | **Music**

Vocal pedagogy in the United States (Classical music) versus India (Carnatic music)

Presenter: **Camila Ramos-Mercado '23** | Mentor: **Meghan Sheehy**

11:40 a.m. – 12 p.m. | Johnstone Science Center 201 | **Physics**

Analysis of Extragalactic HI data from the Green Bank Observatory

Presenter: **Nicholas Volk '23** | Mentor: **Parker Troischt**

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BREAK | Noon – 1 p.m. | Lunch in The Commons

Guests: please pick up your complimentary lunch tickets at the registration desk in the lobby of Anderson Center for the Arts, Golisano Hall, or Johnstone Science Center.

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1 – 2 p.m. | Eaton Lounge | **Literature, Media, and Writing**

Word of Mouth Magazine Release

Presenter: **Sofia Escobar '24** | Mentor: **Brad Fest**

Additional presenters: **Joseph Catalano, Paige Eaton, Sara VanValkenburg**

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► **SEMENENKO CLARK AWARD**

2 – 4 p.m. | Anderson Center for the Arts, Foreman Gallery | **Art and Art History**

Hartwick Athletics

Presenter: **Philip Ojebor '23** | Mentor: **Joseph VonStengle**

► **SEMENENKO CLARK AWARD**

2 – 4 p.m. | Anderson Center for the Arts, Foreman Gallery | **Art and Art History**

Senior Thesis Exhibition In Art

Presenter: **Reid Sinkinson '24** | Mentor: **Leah Frankel**

► **SEMENENKO CLARK AWARD**

2 – 4 p.m. | Anderson Center for the Arts, Foreman Gallery | **Art**

ART JOY LIFE

Presenter: **Sara Staup '23** | Mentor: **Richard Barlow**

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2 – 4 p.m. | Anderson Center for the Arts Lobby | *Theatre Arts*
Costume designs for *The Island*

Presenter: **Liliana Buettner '25** | Mentor: **Barbara Kahl**

2 – 4 p.m. | Anderson Center for the Arts Lobby | *Computer Science*
Salon 60 Website and Store

Presenter: **Sam Cole '23** | Mentor: **Romas J Hada**

2 – 4 p.m. | Anderson Center for the Arts Lobby | *Computer Science*
Arduino-Powered Guitar FX Pedal

Presenter: **Akshay Dammar '23** | Mentor: **Howard Lichtman**

2 – 4 p.m. | Anderson Center for the Arts Lobby | *Art and Art History*
The Edition of IO

Presenter: **Atticus Dinsmore '25** | Mentor: **Stephanie Rozene**

2 – 4 p.m. | Anderson Center for the Arts Lobby | *Computer Science*
JAVA in Lego Robotics

Presenter: **Yanira Manzano '23** | Mentor: **Howard Lichtman**

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2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Non-Pharmacological Interventions for School Aged Children with Chronic Pain

Presenter: **Kierstin Aroksaar '23** | Mentor: **Melody Best**

Additional presenters: **Kayla Leonard-Houle, Colette Maloney, Samantha Alfonso**

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Stress and Coping among ICU Nurses

Presenter: **Nate Baldwin '23** | Mentor: **Melody Best**

Additional presenters: **Aerin Dicruttalo, Scout Easton**

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Nurses' Role in Preventing Preterm Labor in Primiparous Adolescents

Presenter: **Chrissy Boeltz '23** | Mentor: **Melody Best**

Additional presenters: **Arianna Alvarez, Katlyn Bartozsek, Sydney Gagnon**

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Best Nursing Practice for Pediatric Patients with Autism Spectrum Disorder

Presenter: **Kassidi Dennis '23** | Mentor: **Melody Best**

Additional presenters: **Alphonso Mancini, Garrett Mertz, Ashely Wikoff**

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
The Effect of Kangaroo Care on Preterm Neonate Stability and Time to Discharge

Presenter: **Alyson Fish '23** | Mentor: **Melody Best**

Additional presenters: **Alicia Rockwell, Alex Owusu**

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Improving Identification of Human Trafficking Victims by Emergency Department (ED) Nurses

Presenter: Jenna Hillis '23 | Mentor: Melody Best

Additional presenters: Scarlet Hudman, Paige Furman, Cassie Fedor

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Use of Complementary Alternative Medicine in Adolescents with Anxiety and Depression

Presenter: Kelsey Mahoney '23 | Mentor: Melody Best

Additional presenters: Nicole Sangulin, Megan Delehanty, Chloe Love

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
The Effects of Nurse Residency Programs on New Graduate Nurses

Presenter: Kitzia Martinez Rojas '23 | Mentor: Melody Best

Additional presenters: Nyssa Kohl, Radica Singh

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Comorbidities from Obesity in Children with Trisomy 21

Presenter: Amanda Perry '23 | Mentor: Melody Best

Additional presenters: Jessica Gerace, Makenna Loucks, Tamera Rodgers

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Gender Bias in Pain Management and Assessment in Emergency Departments

Presenter: Emma Savage '23 | Mentor: Melody Best

Additional presenters: Lauren Taylor, Ceili Fitzpatrick, Audrey Perich

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Analyzing Patient Handoff Interventions Between PACU Nurses and the Surgical Team

Presenter: Ashley Scheck '23 | Mentor: Melody Best

Additional presenters: Ashley Scheck, Jordan Leandro, Lucas Hartmann

2 – 4 p.m. | Anderson Center for the Arts, Mezzanine | *Nursing*
Efficacy of Holistic Interventions on Treatment and Prevention of Postpartum Depression

Presenter: Renee Serafin '23 | Mentor: Melody Best

Additional presenters: Kylie Bollman, Jillian Ward, Ajala Folks

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2 – 4 p.m. | Anderson Center for the Arts, Hallway | *Environment, Sustainability, and Society*
Surveying Hemlock Woolly Adelgid in Robert V. Riddell State Park

Presenter: Azyhkei Allen '23 | Mentor: Zsuzsanna Balogh-Brunstad

2 – 4 p.m. | Anderson Center for the Arts, Hallway | *Biology*
The cultivation and identification of microbes colonizing the surfaces of barley grain

Presenter: Joseph Amabile '23 | Mentor: Mary Allen

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Business Administration**
Teaching Professionalism to Gen Z's through the Lens of Cultural Humility
Presenter: **Ross Arvin '24** | Mentor: **Pauline Stamp**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Computer Science**
Arcade Machine Revitalization Project
Presenter: **Mohamed Bagayoko '24** | Mentor: **Howard Lichtman**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
Adaptations of intertidal mites
Presenter: **Abigail Boardman '23** | Mentor: **Allen Crooker**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
Identifying metabolic capabilities via genome sequencing and physiological tests of an anaerobic microbe, *Acetobacterium carbinolicum*
Presenter: **Micah Byers '23** | Mentor: **Stephanie Carr**

► **FREEDMAN PRIZE PROJECT,**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
Enrichment cultures from the anoxic depths of Fayetteville Green Lake, New York
Presenter: **Nicole Casab '23** | Mentor: **Stephanie Carr**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Sociology**
Domestic Violence and Its Effects on Children: A Qualitative Study
Presenter: **Mickaela Gulla '23** | Mentor: **Elena Chernyak**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Psychology**
How The Pygmalion Effect Can Influence Student Success
Presenter: **Alexxis Hayward '23** | Mentor: **Erin Kenney**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Geology**
Geological illustrations
Presenter: **Morgan Henry '23** | Mentor: **David Griffing**

► **FREEDMAN PRIZE PROJECT**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Geology**
Organic Carbon Content in an Upstate NY No-Till Farm
Presenter: **Holton Ike '23** | Mentor: **Zsuzsanna Balogh-Brunstad**

► **FREEDMAN PRIZE PROJECT**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Geology**
Examination of climate driven sea level changes on Eemian stage (MIS 5e) coral reefs in the Bahamas
Presenter: **Arianna Kehoe '23** | Mentor: **David Griffing**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **AccessAbility Services**
Exploring Accessible Solutions to Hartwick's Physical Spaces
Presenter: **Ethan Lee '23** | Mentor: **Alison Dodge**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
The Effects of Simulated Acid Rain on the Mung Bean (*Vigna radiata*) in the Presence of Mycorrhizal Fungi

Presenter: Frances Molina '23 | Mentor: Douglas Hamilton

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Environment, Sustainability, and Society**

The Mystery of the Emmons Train Derailment of 1974

Presenter: Tyler Nocito '25 | Mentor: Zsuzsanna Balogh-Brunstad

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
Is the effect of coffee grounds in soil just a function of its pH?

Presenter: Erin Novak '23 | Mentor: Douglas Hamilton

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Mathematics**
Automorphism Groups of Partially Ordered Sets

Presenter: Joelle Ocheltree '24 | Mentor: Erik Wallace

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
Is it a spirit or a spirit?

Presenter: Shamalia Robinson '23 | Mentor: Harmonie Bettenhausen

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biochemistry**
Isolation of wild yeasts from the Hartwick environment

Presenter: Chaw Akari San '24 | Mentor: Andrew Piefer

Additional presenters: Michael Demarais

► **FREEDMAN PRIZE PROJECT**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Geology, Environment, Sustainability, and Society**

Fossil Coral Preservation in the Pleistocene Coral Reefs at Devil's Point, Great Inagua, Bahamas

Presenter: Alyssa Schaeffer '24 | Mentor: David Griffing

► **FREEDMAN PRIZE PROJECT**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Geology, Environment, Sustainability, and Society**

Assessment of Water Quality in the Whippany River near Morristown, New Jersey

Presenter: Sebastian Stauss '23 | Mentor: Zsuzsanna Balogh-Brunstad

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Environment, Sustainability, and Society**

Geochemical Analysis of Charlotte Creek, New York

Presenter: Lia Teitelbaum '23 | Mentor: Zsuzsanna Balogh-Brunstad

Additional presenters: Ryan Carmody

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
Microbial communities on the surfaces of barley grains from the United States used for malting and brewing

Presenter: Dawson Tupponce '23 | Mentor: Mary Allen

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
The Effect of Isometric and Concentric Workouts on Forearm Fatigue
Presenter: **Jason Uhlinger II '23** | Mentor: **Joshua Garrett**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Education**
Alternative Schools: Issues and Implications
Presenter: **Emily Weglein '23** | Mentor: **Marisa Kofke**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Psychology**
The effect of media about mass shootings and the overturn of Roe v. Wade on the mental health of college students: we promise it's not all bad.

Presenter: **Emily Weglein '23** | Mentor: **William Kowalczyk**
Additional presenters: **Madison L. Corso, Melanie L. Mohn, Italia I. Cerretani**

2 – 4 p.m. | Anderson Center for the Arts, Hallway | **Biology**
Brain Cancer: PIK3CA and IDH1 mutations in glioblastomas, causes, and treatments
Presenter: **Quincey Woodrow '23** | Mentor: **Joshua Garrett**

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2 – 2:30 p.m. | Anderson Center for the Arts Theatre | **Theater**
Vela 225: A Staged Reading
Presenter: **Lucero Gomez '26** | Mentor: **Barbara Kahl**
Additional presenters: **Karra Koch, Mario Rosario, and Welles Fagan**

3 – 3:30 p.m. | Anderson Center for the Arts Theatre | **Music**
The Effect of Music in Media
Presenter: **Karra Koch '23** | Mentor: **Ana Gonzalez**
Additional presenters: **Kat Schmidt, Jas Stuchel, Mario Rosario**



NATIVE PLANT SALE

Friday-Saturday May 5-6 | 10a.m. - 6 p.m.

featuring a variety of native
wildflowers, grasses, and ferns

Johnstone Science Center Greenhouse

The sales are through the Fernery
which takes cash, check and credit.



Student Government, Hartwick Campus Activities Board,
and All Greek Council are excited to present

THE INAUGURAL WICKLYMPICS!

The event will officially start with The Opening
Ceremony on Friday, May 5, at 7 p.m. in the
Shineman Celebration Room.

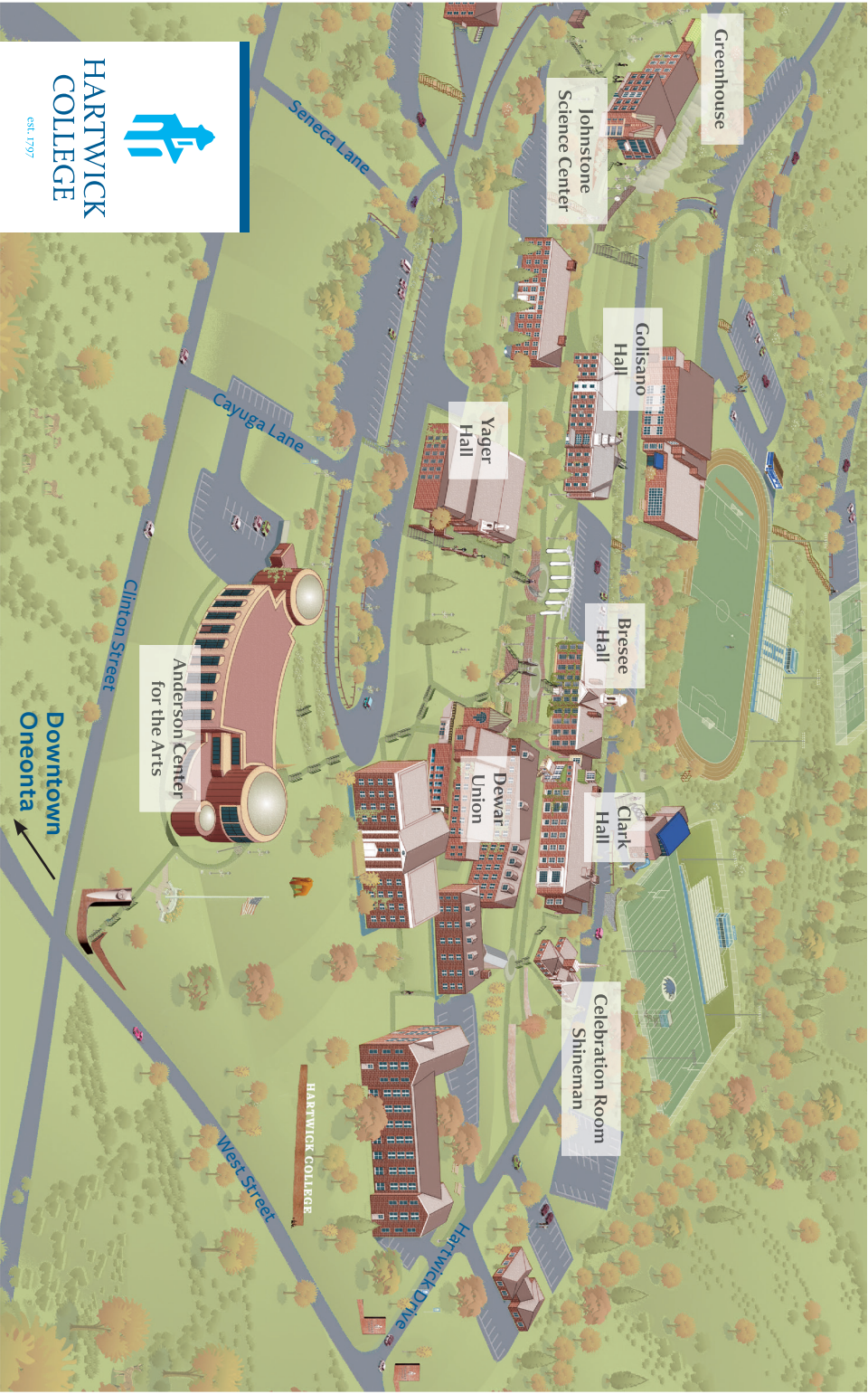
Teams will then hit the field on Saturday to
compete in field games including a kickball
tournament and an inflatable obstacle course
to name a few.



At the competition we will hold a closing ceremony to officially announce the
winners of the Wicklympics.

Following the closing ceremony the Cultural Club Council will be throwing a Cultural
Club Bash, complete with a mechanical bull, a dunk tank, an ice cream truck, and
music.

This event is open to everyone at Hartwick!



HARTWICK
COLLEGE

EST. 1797

Downtown
Oneonta