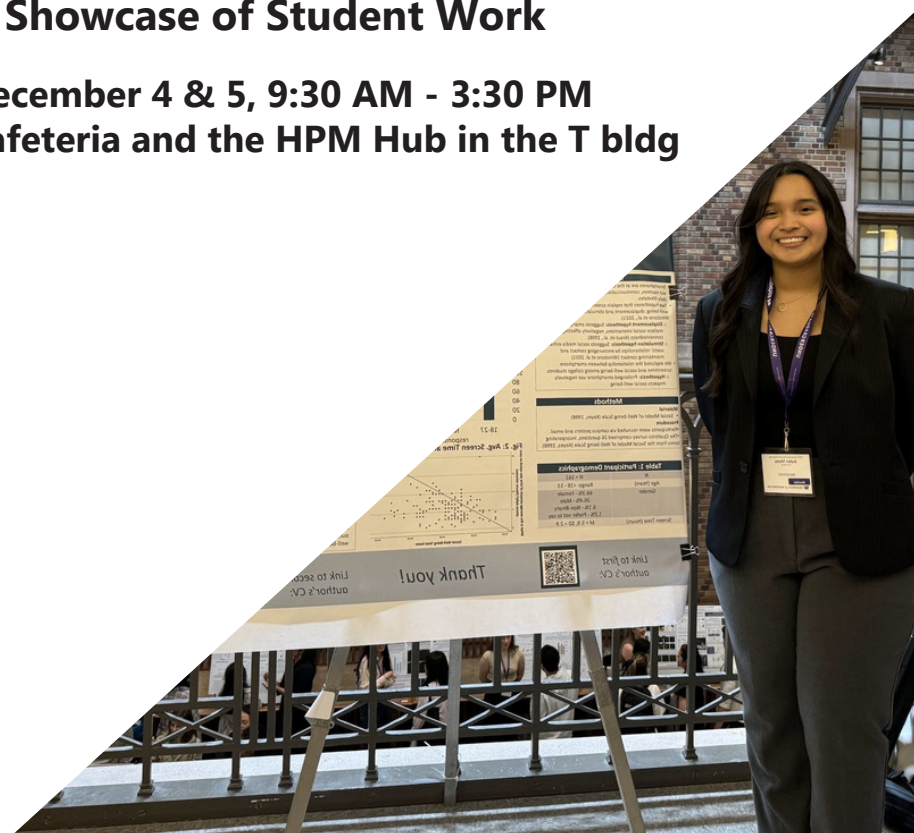


Making Learning Visible

A Showcase of Student Work

December 4 & 5, 9:30 AM - 3:30 PM
Cafeteria and the HPM Hub in the T bldg



About Making Learning Visible

Making Learning Visible is a partnership between the RISE Learning Institute, faculty, and Bellevue College (BC) students to showcase student projects through presentations open to the community. These projects not only have added to students' knowledge and skills, but by participating in this public event, they also are learning the skills needed to present their work to wider audiences. Thank you for coming here to witness and celebrate their efforts!

Acknowledgements

The RISE Learning Institute would like to thank the BC Foundation for sponsoring this event.

RISE would also like to thank faculty members for the innumerable ways that they helped prepare and support students and students for the long hours spent in producing these projects.

December 4, 2024
9:30 AM - 10:20 AM

ENGL 235 - Technical Writing

Instructor: Natalie A. Martínez

Students were asked to find an area of need or enhancement on campus or in the larger Bellevue College. They were then asked to write a Grant Proposal for mini grant (up to \$30,000) and build a campaign around their projects. Their processes and items included a detailed Review of Research, Stakeholder Interviews and Survey, the Grant Proposal Document, Slide Show Presentation, Press Release, Website or Brochure.

Andrea Mariana Simon	Zoe Mandel	Grey Owen
Halima Ali	Natalie A. Martinez	Eknoor Poonian
Matthew Blomquist	Jackson May	Patrick Rein
Richard Cote	Phillip McDonald	David Sovann
Thane Dahlgaard	Cameron Molavi	Calvin Too
David Flores	Hudson Morales	Austin Tran-Struthers
Carson George	Bee Moua	Cameron Wu
Ivan Infante	Rayan Mubin	
Ammiel Ilunga Kafunda	Samuel Oh	

ENGL 101 / 235 - English Composition / Technical Writing

Instructor: Katie Austin-Miranda

Students created slideshows, infographics, etc. to present their ideas about how a favorite place (e.g., one's work, school, a child's school, one's city, gym, place of worship, favorite restaurant, local grocery store) could improve their sustainability practices.

POLS& 101 - Introduction to Political Science

Instructor: Christina Sciabarra

Students conduct original research on a topic related to democracy including conducting a focus group with their peers. The purpose of the project is to teach students about the scientific method and political analysis by having them propose and test their own hypothesis using their own original data.

Anu-Ujin Batbaatar, Tyler Seppi, Dunya Shur	<i>Why do some conservatives want to abolish or replace the Electoral College?</i>
Cameryn Brown, Alexis Lane, Marcus Hayes	<i>Impact of family and identity on young voters</i>
Toshiki Loi, Georgina Vega, Dante Johnson	<i>Could mandatory voting benefit the US?</i>
Ashton Eidsmoe, Seung-Jun Yoo, Cole Childs	<i>Political violence and democracy</i>
Bentley Bounyarith, Tiana Flores, Tomoharu Noguchi	<i>Democracy among high school students</i>
Cammy Roed, Zoe Tinoco, Vianney Sandoval	<i>Voting and personal identity</i>
Erik Jakovljevic, Yehia Hassan, Srikar Rishikesan	<i>How do wars/revolutions impact democracy</i>
Daniel Bui, Edgar Zazueta, Aleksandr Trifonov	<i>Social media's effect on political polarization</i>
Ashley Calvillo, Gabriela Hernandez, Serah Flynn	<i>How social media influences a young audience's perspective</i>
Chana Schnitzer, Evgeny Yukhanov, Calvin Villagran	<i>Why do most Americans conform to a single political party?</i>
Jason Rassaian, Dalia Nemesszeghy, Vianey Gonzalez	<i>Social media's impact on young minds</i>

10:30 AM - 12:20 PM

BIO 241 / 242 - Anatomy & Physiology (A&P) 1 and 2

Instructor: Reza Forough

The A&P 2 class will be presenting models of various human organ systems, i.e, digestive system. There are 7 models for 7 different systems and one pathological condition is included per model. Each model is made by a small group of 4 students using inexpensive props.

A&P 1

Hope Adams
Olivia Borman
Keelin Everman
Nicholas Fung
Sina Gebremeskel
Jaipreet Gill
Zoe Johnson
Sherry Lin

Shelli Losovsky
Kristen Miller
Maria Muradyants
Nathan Nguyen
Lily Oelschlager
Victoire Okamba
Ixtaci Pagunsan
Masyn Ribail
Marizol Rodriguez

Lizzie Sinkala
Sophia Siththisakd
Cassidy Thongchoom
Joshua Torres
Rachael Tran
Sabrina Woo

A&P 2

Abdilatif Abdi
Nicole Agulto
Kira Campana
Sandhya Chitty
Rachel Adeline Dinca
Paula Duran Duran
Alexia Duta
Asha Gharib
Mary Mae Goboleo
Joseline Guerrero

Sophie Heeter
Amy Hirai
Madison Hoffman
Ahlam Jecha
Elina Khanatayeva
Dylan Le
Qing Li
Meiyi Liu
Lauren McNiesh
Natasha Nakinda
Jaunty Nguyen

Timothy Ninnemann
Mones Sanaiekhah
Sawyer Scott
Faina Silbermann
Vasylyna Syrov
Deja Timmons
Habiba Youssef
Faye Zheng

Anton Gorbatenko
Adam Hansen
Tian Huang, Naveed Ahmed,
Kaylyn Phung
Jake Jenner
Jonathan Kern
Pethuel Mubiayi
Quinn Nolen
Kyle Partido
Hayden Pham
Teddy Piskov, Kaelen Selby
Owen Pruitt
Max Ruhlman
Nic Ruiz
Kat Solovjov
Jayden Soto
Casey Tryon
Ivan Voloshchuk

SDG 16 – Peace, Justice, & Strong Institutions
SDG 5 – Gender Equality
SDG 3 – Good Health and Well-being

SDG 2 – Zero Hunger
SDG 16 – Peace, Justice, & Strong Institutions
SDG 4 – Quality Education
SDG 15 – Life on Land
SDG 16 – Peace, Justice, & Strong Institutions
SDG 16 – Peace, Justice, & Strong Institutions
SDG 11 – Sustainable Cities & Communities
SDG 15 – Life on Land
SDG 15 – Life on Land
SDG 13 – Climate Action
SDG 15 – Life on Land
SDG 2 – Zero Hunger
SDG 14 – Life Below Water
SDG 16 – Peace, Justice, & Strong Institutions

11:30 AM - 12:30 PM

POLS& 203 - International Relations

Instructor: Christina Sciabarra

Students conduct original research on a Sustainable Development Goal including creating an original infographic for a local organization working on the same SDG. The purpose of the project is for students to connect the global with the local, practice qualitative research methods, and create and present a research poster sharing their findings.

Nayeli Alejandre	SDG 5 – Gender Inequality
Janne Barrion	SDG 14 – Life Below Water
Nebyu Bekalu	SDG 2 – Zero Hunger
Cruz Corona	SDG 1 – No Poverty
Reginald Dashita	SDG 3 -Good Health and Well-being
Vincent Du, Ayane Matsuzawa	SDG 11 – Sustainable Cities & Communities
Trent Fowler	SDG 15 – Life on Land

PSYC 209 - Research Methods

Instructor: Cynthia Lonson

Brandon Ballentine	<i>"Meanness" and Anonymity in Online Social Media</i>
Melanie Capps	<i>Post Purchase Consumer Bias and Cognitive Dissonance</i>
Lisa Doan	<i>Anonymity Makes You Mean</i>
Oleksandra Getlin, Evelin Nitsuk	<i>How Anonymity Makes Us Mean: The Impact of Anonymous User Identities on Online Behavior and Discussions</i>
Halima Shaikh	<i>Does Anonymity Make Us Mean?</i>
John Stout	<i>Does Online Anonymity Make Us More Aggressive</i>
Lin Khant Min, Victoria Titov	<i>A Better Way for Elevating Self-Compassion</i>

ENGL 235 - Technical Writing

Instructor: Natalie A. Martínez

Students were asked to find an area of need or enhancement on campus or in the larger Bellevue College. They were then asked to write a Grant Proposal for mini grant (up to \$30,000) and build a campaign around their projects. Their processes and items included a detailed Review of Research, Stakeholder Interviews and Survey, the Grant Proposal Document, Slide Show Presentation, Press Release, Website or Brochure.

Caleb Buycks	Elizabeth Ivantsov	Sean Reynolds
Caden Campbell	Austin Johnson	Michael Reynya
Dylan Chao	Abby Jones	Sarah Roen
Ethan Coliz	Kaia Kees	Ashton Sanborn
Anna Dahl	Megan Lisk	Kaleb Steinle
Joshua Dela Rosa	Natalie A. Martinez	Lukas Tomita
Yuxuan Ding	Devon-Christopher	Dylan Verallo
Oliver Federico	Modtland	Brian Watson
Hongming Gong	Isha Raipure	Jacob Witherspoon

11:30 AM - 1:20 PM

AI 100 - Foundations of Artificial Intelligence

Instructor: Lisa Harris

Students in this class were asked to create programs or conduct research on an aspect of Artificial Intelligence (AI).

Benjamin Chen	<i>The Ethics of AI Art and Music</i>
Brandi Clements	<i>AI in Marketing</i>
Victor Martin del Campo	<i>What To Eat</i>
Pierson Dengah	<i>Untitled</i>
Kim Doan	<i>Prompt Maker</i>
Addison Goldberg	<i>An AI Assistant Planner for Students with Executive Function Struggles</i>
Ian Hou	<i>Untitled</i>
Loic Landskov	<i>Making AI's Processes Visible</i>
Tyler Mak	<i>Untitled</i>
James Minkley	<i>Your AI Therapist: "Can a machine truly understand and heal the human mind?"</i>
Ian Olson	<i>Facial Expression Detection</i>
Bowen Peck	<i>How AI can Make you Money</i>

Jerick Pugal	<i>Are people are prepared to give nuclear energy another chance?</i>
Yijie Qiu	<i>Drone recognition</i>
Naphasorn Raenu	<i>AI for Fitness and Health</i>
Vineeth Rajesh, Zaria Raheel	<i>AI Chatbot</i>
Serena Sato, Inika Iyer, Hyemi Park	<i>Food Safety Identification System</i>
Hamza Siddiqui	<i>O.S.C.A.R.A. AI (Optimized School Communication And Resource Assistant)</i>
Kateryna Tekmenzhi	<i>Waste Sorter</i>
Lincoln Trelease	<i>The environmental impacts of AI</i>
Marco Uribe Munoz	<i>Realtime Translation Program</i>
Mariem Zait	<i>From Predictions to Realities: Exploring AI's Past Theories to Forecast Its Future</i>
Zongqi Zhang	<i>AI Creativity</i>
Jianan Zhao	<i>Using drones to monitor crops, manage fields, and improve yields.</i>

MUSC 117 - Music of the World

Instructor: Naiem Rahmani

Students explored how sounds in our environment shape our experiences and perceptions. They were guided to listen deeply, paying close attention to the quality of soundscapes and recognizing the acoustic environment as an interconnected system that requires care and awareness.

Through the creation of audio postcards, students were able to shape how sound is experienced, drawing attention to its impact and significance while highlighting the subtle details often overlooked in daily life. These postcards encourage listeners to engage with soundscapes that might otherwise go unnoticed, offering a fresh perspective on the auditory world. By reflecting on what we perceive as important or overlooked in our sonic surroundings, the project offers a deeper, more intentional connection with the sounds that shape our environments.

Thomas Armstrong	Jason Fletcher	Caleb Inman Swan
Ria Bhutani	Itai Gendelman	Nicolas Oliver Truong
Kimberly-Kauane S Brito	Mona A Jama	Jordan James Patrick
David Aiden Bussell	Siti Aishah Binti Jamaludin	Vieira II
Saleh Chau	Avi Daniel Kessler	Cooper Waller
Ben Y Chen	Phil Mai	Dillon Cole Volkle
Elijah Ray-Alioune	Daniyal Murad	Kana Krishna Zhao
Cunningham	Lucy Murillo	
Adriana DiMercurio	Kate Emily Schaad	

12:30 PM - 1:20 PM

DANCE 170 / 171 - Tap 1 and Tap 2

Instructor: Kirsten Kinney

"We Will Work it Out"

Music by Stevie Wonder

Dance Genre: Tap Dance

Co-Choreographed by Kirsten Kinney

Co-Choreographed & Danced by Francesca Attar, Sydney Brockenbrough, Amogh Coorg, Taryn Cummings, Stephanie Foronda, Chloe Manningsmith, Andrew Paull, Sayu Tamaoki, Sydney Walling

12:30 PM - 2:20 PM

PSYC& 100 - General Psychology (linked with FYS 101)

Instructor: Jennifer Parada

Students were tasked with exploring a common psychological myth in small groups. They investigated the origins of the myth, evaluated its validity using research articles, and analyzed why the myth persists by gathering testimonies from people they know.

Lubava Kochergina, Cailai He, Malia Tith	<i>Mental Illness Can be Cured</i>
David Lee, Natalie Morris, Allysen Wick	<i>Our current generation suffers from more mental illness than previous generations</i>
Isabella Marafioti, Kayla Coleman, Kristopher Erickson, Salima Elsayed	<i>Myth of Learning Styles</i>
Malak Albadrani, Kai Bagley, Tanreet Hans	<i>Birth Order: Truth or Myth?</i>
Sumana Sri Manikala, Ssannasa Khulan, Diego Arredondo	<i>Are current generations suffering from more mental illness?</i>
Isabelle Clay, Alexa Bomann, Carmel Muyamba Kasamb, Lara Vidich	<i>How Accurate are Personality Assessments?</i>
Perla Guzman, Mason Nakata, Claire Vaughn	<i>Ego depletion: The Truth about Self Control</i>
Neshad Efty, Bridget Leisen, Asher Pinkston	<i>Mental illness causes violence</i>
Jackie Martinez-Padilla, Jaz Yeoh	<i>The accuracy of body mass index (BMI)</i>

1:30 PM - 2:20 PM

ENGL 101 - English Composition

Instructor: Ethan Anderson

Students created zines looking at themes found in The Queen's Gambit and the novel, The Metamorphosis.

<u>Metamorphosis</u>	Junseo HWANG	Aimee Kabwe KAZADI
Han Lin CHEN	Rita Henriette Nabintu	Jooha Lee
Hangge HU	Ambika IGWABI	Rui Liu
My Thao HUYNH	Jihun JEONG	

<u>Queen's Gambit</u>	Angelique Malumimpa	Marthe Nkulu
Yang Liu	Mutombo	Airou Tan
Yu Yun Liu	Joseph Kamb Ngoy	Ada Wang
Georges Tshilombo Meko	Mechack Ntonko Nkelende	Esther Yumba

BIOL 275 - Laboratory Methods in Genomics

Instructor: Stacy Alvares

"The role of TonB-Dependent Outer Membrane Copper Receptor in PF L5 1.96 Clone 24P-11s colonization effectiveness"
Julia Zhang

Abstract: "Due to the bacterium *Pseudomonas fluorescens* L5.1-96's exceptional ability to colonize wheat roots, it has been marked as a promising biocontrol method against the Take-All disease caused by the fungus *Gaeumannomyces graminis* var. *tritici*. In order to better understand what genes and proteins may confer this enhanced colonization ability, strain PF-24P 11 was taken from a genomic library, cultured in Kanamycin LB, purified, and sequenced using the SL1 and SR2 primers using Sanger Sequencing. The results of bioinformatic analysis on the sequenced gene using the SR2 primer suggest that the genomic insert codes for a protein known as TonB dependent outer membrane copper receptor OprC, and further research suggests that this protein plays a role in sequestering trace amounts of copper necessary for biofilm formation as well as in outcompeting the *G. graminis* fungus due to its superior nutrient acquisition."

2:30 PM - 3:20 PM

DANCE 151 / 152 - Contemporary Dance 1 & 2

Instructor: Kirsten Kinney

"& Burn"

Music by Billie Eilish (with Vince Staples)

Dance Genre: Contemporary

Choreographed & Danced by Trisha Chakrabarti, Sydney Walling, Shin Mon, Madina Vali, Ana Corella, Naomi Lorenz

"Butcheress"

Music by Rabbitology

Dance Genre: Contemporary

Choreographed & Danced by Aubrey Halifax

BellaSkye Picone-Louro, Lexi George, Mari Hopkins, Montse Cadiz-Bravo, Suridara Nguyen

"Fake Plastic Trees"

Music by Radiohead

Dance Genre: Contemporary

Choreographed by Kirsten Kinney

Danced by Aubrey Halifax, BellaSkye Picone-Louro, Lexi George, Mari Hopkins, Montse Cadiz-Bravo, Trisha Chakrabarti, Sydney Walling, Shin Mon, Madina Vali, Ana Corella, Naomi Lorenz, Suridara Nguyen, Hania Anthony, Arcadia Dooley

HPM 415 - Community Health

Instructor: Tamara Boynton-Howard

December 5, 2024

9:30 AM - 10:20 AM

BIOL& 211 - Biology Majors Cellular

Instuctor: Rachel Hutto

Students are studying the function of different genes in the model organism *C. elegans*. To do this, they are "knocking down" their chosen gene's expression using a process known as RNA interference, which decreases the amount protein product that can be made of the gene. Many groups are focusing their study on genes that may be important for the process of developing from a single-cell into a living organism. Some groups have chosen to investigate the role of their selected gene in other processes aside from development.

Section A

Joanne Amimo

Giovanni Angelici

Roman Baglay

Haley Burbrink

Alvin Chang

Josh Christman

Talian Dinh

Emma Foley

Daniel Gitline

Amaar Khan

Azqa Khan

Caleb Li

Stephanie Luu

Maggie Meng

Lin Khant Min

Madison Nguyen

Perla Olivares

Skyler Ordenez

Alma Ostfeld

Lillyann Pham

Dewy Roark

Junho Shin

Parth Shriram

James White

Charlotte Wu

Anne Wu

Kingsly Wang

Ula Young

11:30 AM - 12:20 PM

BIOL& 211 - Biology Majors Cellular

Instuctor: Rachel Hutto

See the description above for details.

Section B

Abdul Aljanabi

Ghaith Alshammari

Mohammed Alshammari

Elizabeth Anderson

Judy Bounie

Erin Breske

Evalyn Dang

Aesha Desouky

Aly el deen Desouky

Celeste Drumm

Sofia Elizondo

Jude Goreish

Sahar Kandi

Taka Lo

Sophea Martinez

Sophia Moore

Rayan Moshfeghi

Jay Nguyen

Apollo Pham

Katherine Poston

Pinky Puthdee

Kaylee Thamtoro

Navneet Tumber

Helen Weale

Sam Wolch

Flora Wong

Daniel Yager

Cole Yagi

12:30 PM - 1:20 PM

ENGL 101 - English Composition

Instructor: Ethan Anderson

Students created zines on a variety of topics.

Andrea Pop

Olivia Shamon

Jenda Sing

Archer Sprunger

Milo Stover

Quinn Warner

Alex Ayad

Olivia Barker

McKenzie Bright

Carr Chellis

Martin Demchenko

Aubrey Garcia

Estrella Gasga-Andrade

Unna Impio

Jacob Javnozou

Elaine Le

Juana Lopez de Lagar

Tymoor Madkour

Julia Mendoza

Haley Mosher

Lyla Myhre

Magdalene Naing

Malia Newlun

Giap Nguyen

Vi Nguyen

Despina Alongo

BIOL 160 - General Biology

Instructor: Stacy Alvares

Abstract: An increase of antibiotic usage in various industries has led to higher selective pressure for microbes that exhibit antibiotic resistance. The microbes get introduced into the environment through different practices and then spread by people, animals and waterways. As a result, diseases can become harder to treat and impact some communities more disproportionately than others. Each student group examined a different research hypothesis on where antibiotic resistant microbes may reside and report their results in research posters.

Dylan Gerity, Ty Bjelland, Muhammad Kalim, Alaria Ries	<i>"Investigation of Antibiotic Resistance of Airport Soil"</i>
Ofir Erlich, Asiya Adan, Alik Voutsas, Noah Kim	<i>"Investigating the Effects of Tetracycline-Resistant Bacterial Cells in Hospital Soil Versus Target Soil"</i>
Noor Kaur, Sharia Miller, Caleb Ngana, Salvin Heidner, Yaowen Mei	<i>"Assessing Socioeconomic Influences on Antimicrobial Resistance: A Comparison of Soil Bacteria in High and Low-Income Neighborhoods"</i>
Paola Silva, Seth Luta, Baitur Sovetaly	<i>"Resistance of Bacteria to Tetracycline in a Playground versus College Setting"</i>
Becky Zeitouni, Nivedita Srinivasan, Valerie Brown, Logan Hemingway	<i>"PARE: Antibiotic Resistance in Urban versus Rural Areas"</i>
Sabrina Holmes, Shally Kisakye, Lesly Santos, Sofia Wolfe	<i>"Prevalence of Antibiotic-Resistance in Farm Soil"</i>

HPM 415 - Community Health

Instructor: Tamara Boynton-Howard

1:30 PM - 2:20 PM

ENGL 201 - Research Writing

Instructor: Sarah Ghasedi

Students in this section of English 201 completed a quarter-long autoethnography research project on a community that they belong to. After completing an initial proposal, conducting research, and writing a research paper, they drew from their research findings to create final projects called "Showcase Texts" for real world audiences and in formats that they chose.

These Showcase Texts share some aspect of the research findings with a real world audience of each student's choice and for a purpose of each student's choice. Students also wrote framing statements that contextualize their Showcase Texts by describing their chosen primary audience, purpose, and rhetorical strategies. In today's presentation, students will briefly discuss their research and share their final Showcase Texts.

Humira Khanum

Respect Women: Teaching Children from Childhood

Olivia Yee

Our 'Fleeting' Culture in America

BIOL& 211 - Biology Majors Cellular

Instuctor: Rachel Hutto

See the description above for details.

Section HYA

Umm Kulsum Ateeque

Sarah Hamad

Cynthia Ngo

Abdullah Azmy

Ilena Karner

Sam Patrick

Rory Bankesly

Kim Le

Reese Lila Rivera

Emaan Bartos

Susanna Lee

Faith Tran

Joanne Bassett

Taylor Luong

Bahar Vakil Ahmad

Simran Brar

Martina Ma

Alexus West-Girvan

Miguel Cervantes

Liudmyla Maslenikova

Angel Yeung

Tai Yun Chang

Sarah Mendahawi

Mason Zhang

Andrew Hall

Kevin Mustain

Madison Nacinovich

2:30 PM - 3:20 PM

ENGL 101 - English Composition I

Instructor: Sarah Ghasedi

Early in the quarter, students in this English 101 course selected a topic of inquiry based on their interests and/or career goals. They completed research journals on sources related to their topics and later drew upon their research findings to compose reflective essays. After completing their reflective essays, students created final "Showcase Texts" for audiences and in forms that they chose and explained in short framing statements. In today's presentation, students will share and contextualize their final Showcase Texts.

Kayla Kubicke

An Overview of Meta's Free Basics Application Software

Lily Kellerman

Informing High School Students About Concussions