

# Poster Presentations

## Asian Studies

### **Journey to the East: Yin**

*Dustin Jackson*

Library, 10:30 AM–12:00 PM

Form ID 309

## Communication

### **Bilingualism on Academic Success**

*Ruth Bresee*

Library, 10:30 AM–12:00 PM

Form ID 172

### **Waning Trust in Video Game Companies**

*Wyatt Dean*

Library, 10:30 AM–12:00 PM

Form ID 146

### **Video Games, Communication, and Influence**

*Dilan Dean*

Library, 10:30 AM–12:00 PM

Form ID 173

### **Social Judgement Theory**

*Gabriela Gonzalez, Calli Jesmer*

Library, 10:30 AM–12:00 PM

Form ID 177

### **Career Preparation as a Coach**

*Xavier Kamalu-Vargas*

Library, 10:30 AM–12:00 PM

Form ID 147

### **The Student Voice: The Importance of University Publications**

*Angela Kyle*

Library, 10:30 AM–12:00 PM

Form ID 281

### **My Experiences as a CWU Journalist and Strategic Communicator**

*Maria Mann*

Library, 10:30 AM–12:00 PM

Form ID 140

## **Central Communication Agency and Strategic Communication Careers**

*Litzy Rodriguez*

Library, 10:30 AM–12:00 PM

Form ID 144

## **Sexualization of Women in Video Games**

*Chris Velasco*

Library, 10:30 AM–12:00 PM

Form ID 171

## **Pursuing a Professional Career in Sports Communication**

*Kennedi Wilkins*

Library, 10:30 AM–12:00 PM

Form ID 143

## **Communication Degree Program and Radiation Therapy**

*Isabelle Zahnnow*

Library, 10:30 AM–12:00 PM

Form ID 142

## **Central Communication Agency and Public Relations Aviation Careers**

*Sydney Ziegler*

Library, 10:30 AM–12:00 PM

Form ID 145

## **History**

### **The Geopolitics of Revolution: How 1848 Influenced German Unification**

*Adam Fadich*

Library, 10:30 AM–12:00 PM

Form ID 111

### **Comfort Women: The Reintegration Into Their Community**

*Kennedy Shook*

Library, 10:30 AM–12:00 PM

Form ID 263

## **Philosophy and Religious Studies**

### **Internalized Capitalism and Its Influence on Guilt**

*David Barnett*

Library, 1:00 PM–2:30 PM

Form ID 186

# **Entrepreneurship**

## **Unfiction, The Unnoticed Side of Fiction**

*Demetrios Elias*

Library, 1:00 PM–2:30 PM

Form ID 221

## **Leaders of Entrepreneurship**

*Angel Fitch*

Library, 1:00 PM–2:30 PM

Form ID 185

## **From Zero to Business: Immigrant Entrepreneurship and the American Dream**

*Melinna Lopez*

Library, 1:00 PM–2:30 PM

Form ID 312

## **DM Real Estates New Possibilities for Low-Income Families**

*Daviale McClure*

Library, 1:00 PM–2:30 PM

Form ID 289

## **Strength in Numbers: Leveraging Your Network for Success**

*Megan Rogge*

Library, 1:00 PM–2:30 PM

Form ID 219

## **BUS 392: Guiding Tomorrow's Business Leaders**

*Kamoana Ross*

Library, 1:00 PM–2:30 PM

Form ID 184

## **Unlocking Consumer Minds: A Neuromarketing and Behavioral Economics Approach**

*Hannah Roswell*

Library, 1:00 PM–2:30 PM

Form ID 97

# **Finance & Supply Chain Management**

## **The Power of Chaos and Pressure**

*Samson Dwyer, Campbell Robb*

Library, 1:00 PM–2:30 PM

Form ID 164

# **Management and Marketing**

## **Do Hunters Get a Shot at Jobs Too?**

*Parker Leonard*

Library, 1:00 PM–2:30 PM

Form ID 125

# **Education, Development, Teaching and Learning**

## **Content-Area Teachers and a Multilingual Stance Within the Classroom**

*Parker Foster*

Library, 10:30 AM–12:00 PM

Form ID 256

# **Engineering Technologies, Safety, and Construction**

## **RC Baja : Drivetrain & Chassis**

*Ahmad Adam, Daniel Davis*

Library, 10:30 AM–12:00 PM

Form ID 79

## **RC Baja: Steering & Suspension**

*Rogelio Arroyos, Roberto Vieyra*

Library, 10:30 AM–12:00 PM

Form ID 60

## **Articulating Balsa Wood Bridge**

*Kyle Barayuga*

Library, 10:30 AM–12:00 PM

Form ID 63

## **Rechargeable Lithium Battery Pack Using Battery Management System**

*Tristan Beacham*

Library, 10:30 AM–12:00 PM

Form ID 324

## **Articulating Balsa Wood Bridge**

*Cole Blevins*

Library, 10:30 AM–12:00 PM

Form ID 61

## **Combat Robot**

*Riley Buxton*

Library, 10:30 AM–12:00 PM

Form ID 71

## **Safe Driver Assistance Device**

*Austin Commons*

Library, 10:30 AM–12:00 PM

Form ID 117

## **Dueling Robot**

*Abigail Coy*

Library, 10:30 AM–12:00 PM

Form ID 57

## **RC Baja - Steering and Suspension**

*Daniel Davis*

Library, 10:30 AM–12:00 PM

Form ID 64

## **NASA Student Launch Payload Kinetic Energy Absorption**

*Harrison Fishburn, Brycen Geck*

Library, 10:30 AM–12:00 PM

Form ID 68

## **NASA Rocket Payload Airfoil Deceleration**

*Brycen Geck*

Library, 10:30 AM–12:00 PM

Form ID 70

## **RC Baja Competition**

*Skylar Gordon, Sam Wang*

Library, 10:30 AM–12:00 PM

Form ID 67

## **Articulating Balsa Wood Bridge**

*Nate Harris*

Library, 10:30 AM–12:00 PM

Form ID 74

## **RC Baja: Drivetrain and Chassis**

*Caden Harris, Chayce Williams*

Library, 1:00 PM–2:30 PM

Form ID 77

## **RC Baja Drivetrain & Chassis**

*Boe Hartman, Jarvis Hudnall*

Library, 10:30 AM–12:00 PM

Form ID 69

## **Power Trainer Back-Up Power Demonstrator System**

*Jay Howard, Chris Berkshire, Trevor Davis, Dr. Charles Pringle, Peter R. Zencak, Lad Holden, Greg Lyman*

Library, 10:30 AM–12:00 PM

Form ID 90

## **RC Baja Car Suspension & Steering**

*Jarvis Hudnall, Boe Hartman*

Library, 10:30 AM–12:00 PM

Form ID 73

## **Payload Survivability Metrics and Ejection Controls**

*Nathan Kanz*

Library, 10:30 AM–12:00 PM

Form ID 251

## **Articulating Balsa Wood Bridge**

*Samuel Katsuda*

Library, 10:30 AM–12:00 PM

Form ID 66

## **JCATI Carbon Fiber Recycler – Conveyance System**

*Victor Limwanich*

Library, 10:30 AM–12:00 PM

Form ID 62

## **The Contactless Switch**

*Jeffrey Little*

Library, 10:30 AM–12:00 PM

Form ID 239

## **Balsa Bridge**

*Caleb Lovett*

Library, 10:30 AM–12:00 PM

Form ID 83

## **Sustainable Phone Housing**

*Jonah Milnor, Kevin Lomax, Jaap Donker*

Library, 10:30 AM–12:00 PM

Form ID 65

## **MET RC Baja - Chassis & Drivetrain**

*Beni Ntanda, Noah Stevens*

Library, 10:30 AM–12:00 PM

Form ID 72

## **Balloon Camera Payload**

*John Richins*

Library, 10:30 AM–12:00 PM

Form ID 80

## **Development of a Muscle Activation Sensor**

*Isaac Sipe*

Library, 1:00 PM–2:30 PM

Form ID 227

## **RC Baja - Steering and Suspension**

*Noah Stevens, Beni Filemon*

Library, 10:30 AM–12:00 PM

Form ID 78

## **RC Baja Drive Train and Chassis Senior Project**

*Roberto C Vieyra Avalos, Rogelio Arroyos*

Library, 10:30 AM–12:00 PM

Form ID 59

## **Remote Controlled Baja Buggy**

*Sam Wang, Skyler Gordon*

Library, 10:30 AM–12:00 PM

Form ID 75

## **Baja Buggy Steering And Suspension**

*Chayce Williams, Caden Harris*

Library, 10:30 AM–12:00 PM

Form ID 76

# **Family and Consumer Sciences**

## **Accessibility Barriers of Tourism Transportation**

*Nicole Gillespie, Faith Wilson*

Library, 10:30 AM–12:00 PM

Form ID 215

## **Childhood Divorce and Adult Sibling and Romantic Relationships**

*Nicole Jacobson, April Divens*

Library, 10:30 AM–12:00 PM

Form ID 101

# **Hospitality, Tourism, and Event Management**

## **Effects of COVID-19 on the Travel Behaviors of Young Adults**

*Madeleine Surface*

Library, 10:30 AM–12:00 PM

Form ID 154

## Health Sciences

### **Fueling Strategies in Ultra Trail Runners**

*Kimberly Biladeau*

Library, 10:30 AM–12:00 PM

Form ID 209

### **Podcasts and Social Media Use in Health Sciences Students**

*Saige Carney, Kelly Pritchett, Robert Pritchett, Ana Paula Freire*

Library, 10:30 AM–12:00 PM

Form ID 86

### **Barriers to Breastfeeding During Recovery from Opioid Use Disorder**

*Amelia Chestnutt*

Library, 10:30 AM–12:00 PM

Form ID 213

### **Risk, Low Energy Availability, Disordered Eating, Exercise Dependence, Female Cyclists**

*Jennifer Cole*

Library, 1:00 PM–2:30 PM

Form ID 280

### **Physiological and Perceptual Responses to Running on an Anti-Gravity Treadmill**

*Jacob Cruz, Pedro Amarillas, Carly Huber, Manuel Martinez, Melissa Porter, Ashlea Renschler, Megan Sexton, Rudy Velasquez*

Library, 10:30 AM–12:00 PM

Form ID 187

### **Vitamin B12 Deficiency in Non-Hispanic Asians NHANES 2011-2014**

*LiLi Doran*

Library, 1:00 PM–2:30 PM

Form ID 241

### **Conclusiveness Over Time of Cochrane Systematic Reviews in Physiotherapy**

*Kailei J. Eustis, Ana Paula Freire, Gordon Smilanich, Italo Ribeiro Lemes, Mark R. Elkins, Rafael Zambelli Pinto*

Library, 10:30 AM–12:00 PM

Form ID 261

### **Impact of Advancing Age on Morphological Characteristics of Skeletal Muscle**

*Colton Hart, Jared M. Dickinson*

Library, 10:30 AM–12:00 PM

Form ID 226



## **Cardiovascular and Coronavirus Disease (COVID-19) Outcomes Prevalence in Yakima Region**

*Uduak Okon*

Library, 10:30 AM–12:00 PM

Form ID 100

## **Transcriptional Response of Human Skeletal Muscle With Exercise**

*Rachel Perez*

Library, 10:30 AM–12:00 PM

Form ID 37

## **Sex Differences in Standing on an Anti-Gravity Treadmill**

*Melissa Porter, Jacob Cruz, Pedro Amarillas, Carly Huber, Manuel Martinez, Ashlea Renschler, Megan Sexton, Rudy Velasquez*

Library, 10:30 AM–12:00 PM

Form ID 151

## **Physiological and Perceptual Responses to Standing on an Anti-Gravity Treadmill**

*Ashlea Renschler, Jacob Cruz, Pedro Amarillas, Carly Huber, Manuel Martinez, Melissa Porter, Megan Sexton, Rudy Velasquez*

Library, 10:30 AM–12:00 PM

Form ID 150

## **Use of Nutrition information in Adults with Diabetes**

*Katelyn Richardson*

Library, 10:30 AM–12:00 PM

Form ID 32

## **An Exploratory Dissection of the Brain and Cranium**

*Krystin Scribner*

Library, 1:00 PM–2:30 PM

Form ID 250

## **Sex Differences in Running on an Anti-Gravity Treadmill**

*Megan Sexton, Jacob Cruz, Pedro Amarillas, Carly Huber, Manuel Martinez, Melissa Porter, Ashlea Renschler, Rudy Velasquez*

Library, 10:30 AM–12:00 PM

Form ID 169

## **Impact of Covid-19 Pandemic on Tobacco Behavior and Consumption Patterns**

*Judah Shirley*

Library, 10:30 AM–12:00 PM

Form ID 110

## **Liver Echogenicity and Fuel Utilization During Exercise**

*Rhodes Van Houten*

Library, 10:30 AM–12:00 PM

Form ID 284

## **Iron Deficiency and Anemia in Women: NHANES 2015-2020**

*Catherine Wise*

Library, 10:30 AM–12:00 PM

Form ID 55

## **Bone Stress Injuries in Female Trail Runners**

*Saleen Zarate, Kelly Pritchett, Keely Henninger, Robert Pritchett, Namrita Kumar Brooke*

Library, 1:00 PM–2:30 PM

Form ID 285

## **Information Technology and Administrative Management futureForm: A Viability Study of Near Field Communication Tag Technology Across Different Mediums and Industries**

*Dylan Gilbert*

Library, 10:30 AM–12:00 PM

Form ID 310

## **Simplifying a Supplier Risk Assessment for Higher Education Institutions**

*Melissa Lopez-Barbosa*

Library, 10:30 AM–12:00 PM

Form ID 279

## **Anthropology**

### **Investigating Displacement and Damage to Artifacts: A Trampling Experiment**

*Kariann Jimenez, Debra Dunning*

Library, 1:00 PM–2:30 PM

Form ID 131

## **Biological Sciences**

### **Movement of Deer Mice and Squirrels in I-90 Wildlife Undercrossing**

*Ivan Beck*

Library, 1:00 PM–2:30 PM

Form ID 296

**Genetic Mechanisms of PFAS Tolerance: A Genomic Library Approach**

*Cindy Y. Castro Murcia, Dharshana Lakshminarayanan, Jill Zeilstra-Ryalls, Gabrielle A. Stryker*

Library, 1:00 PM–2:30 PM

Form ID 192

**Freshwater Mussels: Shaping Stream Nutrient Pathways and Food Web Resiliency**

*Taylor Crews*

Library, 1:00 PM–2:30 PM

Form ID 208

**Investigating the Effects of Glyphosate on Diabetes: An NHANES Study**

*Trevor Fingerle*

Library, 1:00 PM–2:30 PM

Form ID 43

**Fructose Metabolism in Dopaminergic Hippocampal Cells**

*Catherine Ghiglieri*

Library, 1:00 PM–2:30 PM

Form ID 272

**Characterization of Collagen as a Biological Marker With Progressive Liver Disease in a Mouse Model**

*Casey Patrick*

Library, 1:00 PM–2:30 PM

Form ID 328

**Patterns of Clark's Nutcracker Occupancy in a Post-Fire Whitebark Pine Ecosystem**

*Ashley Sacco, Dr. Alison Scoville, Taza Schaming*

Library, 1:00 PM–2:30 PM

Form ID 298

**The Innerworkings of Renal Structure: Fused Supernumerary Kidney**

*Hermela Tsegaye*

Library, 1:00 PM–2:30 PM

Form ID 288

**Sex Specific Fatty Liver Disease Progression**

*Aaron Valdez, Casey Patrick, Madison Wilson, Connor Wiggins*

Library, 1:00 PM–2:30 PM

Form ID 292

# Chemistry

## **Binding Interactions of Lignin with Polymer-Capped Gold Nanoparticles**

*Oluwaseun Akinsola*

Library, 1:00 PM–2:30 PM

Form ID 102

## **Stereocontrolled synthesis of Lactam-fused tetrahydropyrans**

*Ifeyinwa Anosike*

Library, 1:00 PM–2:30 PM

Form ID 123

## **Experience Forensics: The AAFS Conference**

*Tasha Barnard*

Library, 1:00 PM–2:30 PM

Form ID 134

## **Identification Of Nano-Contaminants Using a Colorimetric Sensor Array**

*Ifunanya Ede*

Library, 1:00 PM–2:30 PM

Form ID 87

## **Phytochemistry of *Dalea candida***

*Ryan Galperin*

Library, 1:00 PM–2:30 PM

Form ID 230

## **Sustainable Synthesis of Biologically Active Lactams Using TMO as the Solvent**

*Jasleen Kaur*

Library, 1:00 PM–2:30 PM

Form ID 155

## **Investigating Protein-Protein Interaction of Interest in Neural Development**

*Jenna Moe, Ainsley McGregor, Tea Beaulieu*

Library, 1:00 PM–2:30 PM

Form ID 112

## **Fructose-Induced Mitochondrial Changes in Liver Cells**

*Jake Ohara, Sarah Oppelt*

Library, 1:00 PM–2:30 PM

Form ID 268

## **Validation of Protein-Protein Interaction Between Transcription Factor PAX6 and RPS20**

*MODUPE OLADAYO*

Library, 1:00 PM–2:30 PM

Form ID 50

## **Green Synthesis of Pharmaceutically Pertinent Azadiquinanes**

*Benjamin Rentfro, Shae Newgard*

Library, 1:00 PM–2:30 PM

Form ID 148

## **Discovery of Novel Boronates as Potential Aspartic Protease Inhibitors**

*Christopher Williams, Rose Montano, Jackson Tieber, Kayden Stiner, Alma Wanguba, Charles Eriksson, Katie Snyder, Brett Vagt, Michael Frank, Levente Fabry-Asztalos\**

Library, 1:00 PM–2:30 PM

Form ID 222

## **Computer Science**

### **Brain Tumor Diagnosis: Hybrid Approach**

*Ha Anh Vu*

Library, 1:00 PM–2:30 PM

Form ID 108

## **Cultural and Environmental Resource Management Photographing Objects for Increased Precision and Repeatability with Digital Measurements**

*Gavin Crain, Victoria Linder, Nik Simurdak*

Library, 1:00 PM–2:30 PM

Form ID 126

## **Assessing High-Speed Rail (HSR) Policy and Politics in Washington**

*Landen Kaya Hashimura*

Library, 1:00 PM–2:30 PM

Form ID 303

## **Environmental Studies**

### **Analysis of Floodplain Restoration at Mercer Creek**

*Kira Pinkerton, Mike Bosko (Mid Columbia Fisheries), David Corder (CWU Geography)*

Library, 1:00 PM–2:30 PM

Form ID 322

## **Geography**

### **Carolina Maria De Jesus' Life In São Paulo, Brazil**

*Katie Lender-Aberle*

Library, 1:00 PM–2:30 PM

Form ID 124

### **Walkability by Amenity Density**

*Benjamin Lombardi*

Library, 1:00 PM–2:30 PM

Form ID 206

### **Modeling Recreational Risk on the Landscape Using GIS**

*Naomi van Roon*

Library, 1:00 PM–2:30 PM

Form ID 266

## **Geological Sciences**

### **Mastersizer Calibration Project**

*Aimee Dugger*

Library, 1:00 PM–2:30 PM

Form ID 165

### **Early Snowmelt And Snowshoe Hare Camouflage Effectiveness In Post-Fire Forests**

*Hunter Golat*

Library, 1:00 PM–2:30 PM

Form ID 127

### **Developing a Portable X-Ray Fluorescence Analysis Method**

*Brice Liedtke*

Library, 1:00 PM–2:30 PM

Form ID 160

### **LAP Deposition and Composition on Svalbard, Norway**

*Oscar Orme*

Library, 1:00 PM–2:30 PM

Form ID 130

### **Analyzing Eruption Initiation Timescales of the Yellowstone Caldera**

*Laura Taylor*

Library, 1:00 PM–2:30 PM

Form ID 237

## **Mt. Baker: Clinopyroxene Mg-Fe Diffusion & Eruptive Timescales**

*Mikyla Weiher, Hannah Shamloo, Emily Yoder*

Library, 1:00 PM–2:30 PM

Form ID 291

## **Interdisciplinary Studies – Social Sciences**

### **The Bilingual Advantage: Stroop Task & Executive Control Analysis**

*Malcolm Jasmin*

Library, 1:00 PM–2:30 PM

Form ID 141

## **Law and Justice**

### **The Current Situation of Gender Wage Gap**

*Shinhae Hwang*

Library, 1:00 PM–2:30 PM

Form ID 302

## **Mathematics**

### **Optimizing Kidney Allocation: A Hopeful Solution**

*Alexandria Kitchpanich, Indiah Cosgrove*

Library, 1:00 PM–2:30 PM

Form ID 197

### **U.S Economic and Crime Rate Relationship by State**

*MinChieh Lee*

Library, 1:00 PM–2:30 PM

Form ID 158

## **Physics**

### **Biophysical Mechanisms Underlying Neural Degeneration and Disease: A Computational Study**

*Stephanie L. Denton, Calvin T. Sprouse*

Library, 1:00 PM–2:30 PM

Form ID 262

### **Shifting Rails: Neuron Microtubule Polarity Pattern Formation**

*Rafe Habedank*

Library, 1:00 PM–2:30 PM

Form ID 217

### **Testing a Novel 3D-Printed Microscope Slide For Live-Cell Imaging**

*Gabrielle Johnson, Nathan Kuwada, Rafe Habedank*

Library, 1:00 PM–2:30 PM

Form ID 199

## **Wildcat Rocketry in the 2024 NASA USLI**

*Elizabeth Tanner, Alexander Hardiman, Jacob Rogers, Makaila Puhmann, Brycen Geck, Harrison Fishburn, Trevor Finnern, Nathan Kanz, Mel Steeples, Joseph Gabriel Burke*

Library, 1:00 PM–2:30 PM

Form ID 275

## **Political Science**

### **The First Amendment in the Supreme Court: Selected Cases 2023-24**

*JJ Hodgins*

Library, 1:00 PM–2:30 PM

Form ID 47

### **Predicting Taiwan's State of Sovereignty in the Next Decade**

*Barrett Stengele*

Library, 1:00 PM–2:30 PM

Form ID 115

## **Primate Behavior and Ecology**

### **Primate Culture and Learned Behavior Research Gap**

*Taylor Churchel*

Library, 1:00 PM–2:30 PM

Form ID 305

## **Psychology**

### **Immigrant Population Growth: Regional Variability in Threat Perceptions and Attitudes**

*Madison Barnes; Aysiah Hwande; Cate Wassell; Patrizia Chirco, PhD; Tonya M. Buchanan, PhD*

Library, 1:00 PM–2:30 PM

Form ID 203

### **Intimate Partner Violence During the COVID-19 Pandemic**

*Sara Elston*

Library, 1:00 PM–2:30 PM

Form ID 318

### **Mobile Mental Health Applications: Knowledge and Usage Among Undergraduate Students**

*Ariel Folsom, Claire Burianek, Elliotte Wood*

Library, 1:00 PM–2:30 PM

Form ID 109



## **Exploring Well-being: A PERMA Model Analysis of Undergraduate Experiences**

*Quaid Hunt, Kara Cook, AJ Mcauliffe*

Library, 1:00 PM–2:30 PM

Form ID 153

## **School Psychologists Role in Behavioral Assessment and Intervention**

*Avery Kelley, Richard Marsicano*

Library, 1:00 PM–2:30 PM

Form ID 315

## **Online Reading Intervention With the Mount Adams School District**

*Samuel Losee, Juli Gainer, Lanae Pope*

Library, 1:00 PM–2:30 PM

Form ID 156

## **Usage of Electronic Devices in College Classrooms**

*Mason Low, Harmony Lee, Angie Rios, Ryan Brookman*

Library, 1:00 PM–2:30 PM

Form ID 104

## **An Investigation of Working Memory Capabilities in Dancers**

*Mason Low, Harmony Lee, Angie Rios, Ryan Brookman*

Library, 1:00 PM–2:30 PM

Form ID 105

## **The Dynamics of Inclusive Disclosure**

*Leah M. McKinney, Dr. Tonya Buchanan*

Library, 1:00 PM–2:30 PM

Form ID 88

## **Beyond Binary: Highlighting Complex Identities Promotes Acceptance of Gender Non-Conformity**

*Zaire Preston; Jasmine Borland; Tonya Buchanan, PhD*

Library, 1:00 PM–2:30 PM

Form ID 138

## **Recognizing Occluded Facial Expressions**

*Jaque Ramirez, Otshumba Okonda, Mary Radeke*

Library, 1:00 PM–2:30 PM

Form ID 293

**Contagious Coverage: Investigating Covid-19 Media Effects on Generalized Risk Perception**

*Caitlin Wassell; Tonya Buchanan, PhD*

Library, 1:00 PM–2:30 PM

Form ID 205

**The Power of Words: Unpacking Language’s Role in Educational Inequities**

*Zara Yokoyama, Liz Beccari, Malcolm Jasmin, Tonya Buchanan*

Library, 1:00 PM–2:30 PM

Form ID 343

**Science and Mathematics Education**

**Expanding Project-Based Learning Opportunities for Pre-Service STEM Teachers**

*Sydney Cater, Cris Galvan Zamora, Caiden Ibach*

Library, 1:00 PM–2:30 PM

Form ID 159

**Social Network Analysis of Fellows in the WA-STELLAR Noyce Network**

*Katherine Miller*

Library, 1:00 PM–2:30 PM

Form ID 103

**Pathways for Computer Science: K-12 Educators**

*Violeta Olvera Govea*

Library, 1:00 PM–2:30 PM

Form ID 201

# **Ellensburg School District**

## **Aquatic Insects in Reecer Creek, Ellensburg, WA**

*Magdalena Fuss, Oakey Hammond*

Library, 2<sup>nd</sup> floor, 10:30 AM–12:00 PM

Form ID 4

## **Avian Population Comparison Near the Reecer Creek Riparian Zone**

*Jasmin Rivera, Kay Nolan, Jamie Thomas, Gwyndolyn Scoville*

Library, 2<sup>nd</sup> floor, 10:30 AM–12:00 PM

Form ID 98

## **Seasonal Changes in Native and Invasive Plants Observed Through Photographs of the Reecer Creek Floodplain**

*Serena Scheffer-Arango, Amber Fernandez*

Library, 2<sup>nd</sup> floor, 10:30 AM–12:00 PM

Form ID 1

## **Organic Matter Concentration in Coils in Reecer Creek, Ellensburg WA**

*Adelayde Schumaier, Lydia Quinn, Briar Wilson*

Library, 2<sup>nd</sup> floor, 10:30 AM–12:00 PM

Form ID 3

## **Monitoring Animals in the Reecer Creek Floodplain with a Wildlife Camera**

*Moon Wichers, Berkely Shields, Keira Charlton*

Library, 2<sup>nd</sup> floor, 10:30 AM–12:00 PM

Form ID 2

# Special Poster Sessions

## Apparel, Textiles, and Merchandising: Fashion Show

### Highland Masquerade

*Storm Haight*

Fashion Show- SURC Pit, 11:30 AM

Poster Viewing- SURC Ballroom 215 C-D, 12:00 PM–12:30 PM

Form ID 128

### Sassy & Classy

*Tatum Mohagen*

Fashion Show- SURC Pit, 11:30 AM

Poster Viewing- SURC Ballroom 215 C-D, 12:00 PM–12:30 PM

Form ID 132

### Witching Hour

*Sami Nixon, Kelsey Sells (Model)*

Fashion Show- SURC Pit, 11:30 AM

Poster Viewing- SURC Ballroom 215 C-D, 12:00 PM–12:30 PM

Form ID 157

### Fashion Show Design Presentation

*Hope Pringle*

Fashion Show- SURC Pit, 11:30 AM

Poster Viewing- SURC Ballroom 215 C-D, 12:00 PM–12:30 PM

Form ID 271

### Almas Eternas

*Meli Rivera Garcia*

Fashion Show- SURC Pit, 11:30 AM

Poster Viewing- SURC Ballroom 215 C-D, 12:00 PM–12:30 PM

Form ID 274

### Tulip

*Ximena Rodriguez-Tapia*

Fashion Show- SURC Pit, 11:30 AM

Poster Viewing- SURC Ballroom 215 C-D, 12:00 PM–12:30 PM

Form ID 342

### Simple, But Daring, Too

*Tess Sparks*

Fashion Show- SURC Pit, 11:30 AM

Poster Viewing- SURC Ballroom 215 C-D, 12:00 PM–12:30 PM

Form ID 330

## **Craft Brewing**

### **Effect of Baked vs. Unbaked Honey in Session Mead**

*Wyatt Alford*

SURC 301, 3:00 PM–3:50 PM

Form ID 247

### **Oak Barrel-Aged Perry Cider**

*Cody Barthels*

SURC 301, 3:00 PM–3:50 PM

Form ID 267

### **Field to Ferment: Why Brewhouse Efficiency Matters**

*Tyler Benedict*

SURC 301, 3:00 PM–3:50 PM

Form ID 245

### **How Reliable is The Mead Calculator?**

*DJ Johnson*

SURC 301, 3:00 PM–3:50 PM

Form ID 223

### **Brewing a Bale Breaker Beer Without Statistical Sensory Differences**

*Miles Koons*

SURC 301, 3:00 PM–3:50 PM

Form ID 243

### **Sensory Impact of Varying Dry Hop Additions in an IPA**

*Cameron Nelson*

SURC 301, 3:00 PM–3:50 PM

Form ID 282

### **Prime Yeast Fermentation Environments**

*Eve Rice*

SURC 301, 3:00 PM–3:50 PM

Form ID 260

## **ENST 480: Campus Sustainability**

### **Implementing 30 EV Chargers Over the Next Seven Years at CWU**

*Zachary Benton, Jeff Bousson*

Library, 1:00 PM–2:30 PM

Form ID 334

### **Increasing the Number of All-Gender Restrooms and Signage Reducing Restroom Inequality**

*Liz Burt*

Library, 1:00 PM–2:30 PM

Form ID 338

### **Expanding CWU Sustainable Education Through the Student Sustainability Ambassadors Program**

*Hannah Campbell*

Library, 1:00 PM–2:30 PM

Form ID 248

### **Enhancing Sustainability Awareness**

*Sarah Christopherson*

Library, 1:00 PM–2:30 PM

Form ID 122

### **Developing a Pollinator Garden at the Wildcat Farm**

*Emma Estrada, Kaitlyn Flesher*

Library, 1:00 PM–2:30 PM

Form ID 244

### **Cloth and Textile Diversion in CWU**

*Donovan Hodges*

Library, 1:00 PM–2:30 PM

Form ID 331

### **Reducing Energy Use on CWU's Campus by Increasing Roof Reflectivity**

*Daniel Hogue, Jeff Bousson*

Library, 1:00 PM–2:30 PM

Form ID 149

### **Supporting the Development of a Heritage Garden at Wildcat Farm**

*Helana Priestley, Kaitlyn Flesher, Wendy Mee*

Library, 1:00 PM–2:30 PM

Form ID 339

**Sustainable Transportation: Electric Scooters vs. Electric Bikes for Campus**

*Dallas Sink*

Library, 1:00 PM–2:30 PM

Form ID 337

**Reducing Waste: Central Washington University Regalia Reuse Program**

*Ally Thoms*

Library, 1:00 PM–2:30 PM

Form ID 319

**Striving for Sustainability at CWU by Divesting From Fossil Fuels**

*Aulin Walker, Toni Sipic*

Library, 1:00 PM–2:30 PM

Form ID 340

**CWU Water Conservation Plan Recommendations**

*Selena Wellenstein*

Library, 1:00 PM–2:30 PM

Form ID 325

**Always Open: Enhancing Campus Life with 24/7 Building Access**

*Edward Werner*

Library, 1:00 PM–2:30 PM

Form ID 233

**CWU Catering Food Waste Audit**

*Dylan Zintz*

Library, 1:00 PM–2:30 PM

Form ID 326