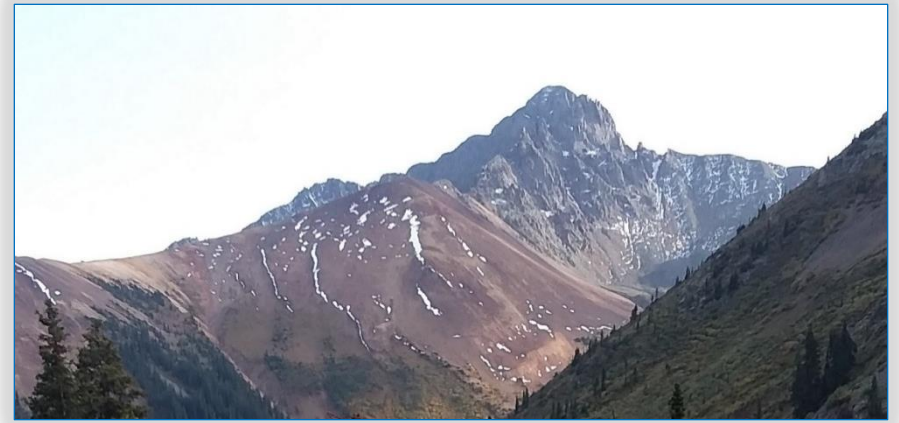


Fill this table out to receive a free MSI buff!

	What is something you learned from this project?	What questions did you have about the project?
Poster 1 Title:		
Poster 2 Title:		
Poster 3 Title:		
Table 1: Stamp	Table 2: Stamp	Table 3: Stamp
Notes from presentations:		



San Juan Resilience Youth Summit

March 12, 2024
Fort Lewis College



Thank you for attending the 2024
San Juan Resilience Youth Summit!



SJRYS 2024 FULL AGENDA

8:45 – Summit opens for registration and presenter set up

9:20–9:30 Introductions - Main Ballroom

MSI Introduction: Jewell Coleman

Land Acknowledgement: Sophia Valdez

Welcoming Remarks: Aisha O’Neil

STUDENT PRESENTATIONS

9:30 – 9:55 – Poster Session A - Main Ballroom

9:55 – 10:00 – Break before Session B

10:00 – 10:25 – Poster Session B - Main Ballroom

10:25 – 10:30 – Break and travel for student presentations

10:30 – 11:25 – Student Presentations - Pick one of the following:
Ballroom, Colorado Room, or Vallecito Room

11:25 – 11:55 pm - Lunch break – Packed lunch or purchase from the cafeteria

INTERACTIVE CAMPUS EXPERIENCES AND TOURS

– Please choose one tour per session, for TWO total (on Page 6) –

11:55 – 12:45 – Campus Tour Session 1 – Be at the Clocktower at 11:55 to meet your first group!

12:45 – 1:30 – Campus Tour Session 2 – Be at the Clocktower by 12:45

1:30 – 1:35 – Break/Return to Ballroom

1:35 – 1:45 – Closing, Acknowledgements, Evaluation Surveys
Main Ballroom

Menu of Campus Experiences and Tours

Choose TWO

1. Undergraduate Research

What is undergraduate research and what does it look like at FLC? For this activity, you will explore the FLC Undergraduate Research Center, where you will get to talk to Dr. Christine Smith and current FLC research students about their projects, what research looks like on a college level, and why it's important. Join us for this fun and interesting conversation!

2. Life Beyond Our Eyes

Join the biology department to look at life beyond the naked eye. You will use dissecting microscopes to observe water samples from a natural water fed spring to see what organisms are living in this condition.

3. Birding on Campus!

Join the environment and sustainability department where we will learn how to use binoculars and citizen science apps to easily identify birds as they migrate back through Colorado. We will explore several ecosystems on Fort Lewis's campus as we search for waxwings, nuthatches, and bluebirds!

4. Adventure on Campus

Join an epic adventure with student-teachers from the Adventure Education department. We will be exploring Fort Lewis's Bouldering garden and engaging in a mindful future outlook activity. This dept. is filled with fun skill courses, such as paddling, climbing, mountaineering, Wilderness First Response Training and so much more.

5. Health and Human Performance

Take a tour of the FLC health and human performance department to see all the different facilities used to learn about exercise science, health issues humans face, the jobs you can do with this degree, and the laboratories that help students answer these questions about our health!

6. Our Future in the Face of Climate Change

Got a future in mind that's brighter than the one we often hear about? Join the Environment and sustainability department to sit together, jump and swing our bodies some, and talk about possibilities for connection to one another and the Earth. Come with a story or ideas of how we can lead into an environmentally friendly future.

Lecture Presentations: 10:30-11:25 am

Ballroom:

Presenter(s)	Title	Description
Elin Bjorklund-Mischler, Durango High School	Pika Net Re-Launch!	The restart efforts of the PikaNet project with MSI through explaining student Pika research
Teagan Archer, Mancos High School	The Perfect Pan II	Creation of a backpacking pan that can create power through heat differential and other useful methods
Isabella Lorenzini, Samantha Riddell, Ignacio High School	Effectiveness of Vermicomposting in a High School Setting	Exploring vermiculture as a sustainable waste management solution and the impacts of soil health and nutrient cycling
DeLyla Kroenung, Animas High School	Wetland Solution to Water Pollution	The impacts of untreated water and wetlands as solution to this issue
Powerhouse Science Center	Opportunity Spotlight	Highlighting opportunities for students provided by the Powerhouse Science center

Colorado Room:

Presenter(s)	Title	Description
Alyx Ford, Betty Holcomb, Bryn Aggeler, Cameron Garland, Myla Lawler Durango High School	9R Landscaping Plan	A slide show highlighting certain changes the 9r district should be implementing for a more sustainable environment. We are currently trying to put this into action, requiring a set of guidelines for future 9r builds and landscaping
Sydney McAllister, Mountain Middle School	Climate Change and its Effects	How the effects of climate change accelerate environmental impacts
Maliyah Martinez, Ignacio High School	Establishing sustainable beekeeping on High School Grounds	Investigating the impact and feasibility of a beekeeping program on High School grounds
Lifeways	Opportunity Spotlight	Highlighting opportunities for students provided by Lifeways

Vallecito Room:

Presenter(s)	Title	Description
Juni per Bremner, Mountain Middle School	Beetle Kill Recovery	The effects of beetle kill in Colorado forests and solutions to combat this issue
Abigail Grindstaff, Animas High School	The Future of Residential Solar	How solar power can be more accessible to homes and businesses as well as the economic and environmental benefits
Aisha O'Neil, Anabel Agre, Anna beth Hanson, Fiona Chandler, Oren Moore, Sophia Valdez, Durango High School	Durango High School Green Team	A presentation on the work that the Green Team has done throughout the past year and an invitation for a audience members to become part of the team
San Juan Mountains Association	Opportunity Spotlight	Highlighting opportunities for students provided by SJMA

List of Poster Presentations (9:30-9:55 am)

Session A Main Ballroom

Presenter(s)	Title	Description
Aisha O'Neil, Anabel Agre, Anna beth Hanson, Fiona Chandler, Oren Moore, Sophia Valdez, Durango High School	Durango High School Green Team	A presentation on the work that the Green Team has done throughout the past year and an invitation for a audience members to become part of the team
Rylan Gregorio, Remi Esperes, Johnny Flying Hawk, Animas High School	How can we make our Forests more Resilient to Wildfires?	How fire burns in 4 different forest density models
Emiliano McCauley-Cortes, Mountain Middle School	Pinyon Jays	Education on the endangered Pinyon Jays
Alahna Cundiff, Eternity Lucero, Ashley Ortiz-Mar, Ignacio High School	Establishing Sustainable Beekeeping on High School Grounds: Impact on Pollination and Biodiversity	Investigating the feasibility and impact of beekeeping on High school Campus
Julia Fernandez, Mountain Middle School	How Pollution Affects the Diets of Those With Different Geographical Descents	Investigating diets specifically with seafood, and their effects on people from different areas
Alyssa Atencio, Lincoln DeKay, Trace Crane, Ignacio High School	Carbon Sequestration	A look into carbon sequestration at Ignacio High School
Benjamin Rice, Mountain Middle School	Wild Big Horn Sheep	How domestic sheep are affecting big horn sheep in Colorado
Tallias Cantsee, DJ Hendren, Ignacio High School	Companion Planting	exploring the concept and impacts of companion planting in a community green-house setting
Norman Hackett, Ignacio High School	Evaluating the Impact of Crop Rotations on Yield and Soil Health in a Greenhouse	Understanding crop requirements through soil health assessments
Catori Aasland, Moni Cesspooch, Bailey Briggs, Ignacio High School	Heat Capacity of Water and Temperature regulation in greenhouse	Understand the effects of heat capacity and its impact on plant growth and energy efficiency
Tarah Baker, Ronnie Vasquez, Kelly Sirios, Ignacio High School	Toward the Replication of Terra Preta	Production of Terra Preta in a controlled setting
Kayleb Chee, Armando Richards, Caleb LeMasters, Ignacio High School	Open Air Composting Methods	exploring and comparing the effectiveness of different open-air composting methods
Erik Hobby, Durango High School	Mineral Deposits of the San Juans	Geology of the San Juans and how mineral deposits effect humans

List of Poster Presentations continued (9:30-9:55 am)

Session A Main Ballroom

Presenter(s)	Title	Description
Daymien Aguilar, Derek Sage, Kean Cantsee, Ignacio High School	Carbon Sequestration	Assessing the carbon sequestration of different tree types and environmental impact
Jessie Webb, Ignacio High School	Companion Planting	Student will explore the concepts of companion planting in greenhouse
Landen Manzanares, Connor Seagrave, Ignacio High School	Natural Pest Control	Investigate and compare the efficiency of various natural pest control strategies
Alex Neuschwander, Ignacio High School	Beekeeping	Evaluate beekeeping on IHS campus
Dana Santistevan, Ignacio High School	Crop Rotation	Evaluating the yield and soil health of greenhouse using crop rotation
Asheera Manuelito, Ignacio High School	Vermiculture Composting	Looking at the effectiveness of vermiculture as composting method
Vaughn Lee, James Martin, Ignacio High School	Effectiveness of Crop rotation	Looking at crop rotation and the effects on crop yield and soil health
Aven Bourriague, Zane Pontine, Stoney White-Thunder, Ignacio High School	Exploring the benefits of companion planting	Understand the best way to place crops to support growth in a community greenhouse
Josh Kerrigan, Gabe Archuleta Rance Rathejen, Ignacio High School	Methods of Natural Pest Control	Investigating different natural pest management methods to see the most effective solution
Max Montoya, Ignacio High School	Vermiculture Composting	An exploration of the beneficial Properties of worms for soil enrichment across different plant species

List of Poster Presentations (10-10:25 am)

Session B Main Ballroom

Presenter(s)	Title	Description
Ethan Dugas, Animas High School	Bear Lost Habitat	How loss of habitat has affected bears in the San Juans
Hadley Miller, Mountain Middle School	Climate Change Effects on Migration	How Climate Change is affecting native birds in Colorado
Larissa Espinosa, Ignacio High School	Effectiveness of Natural Pest Control	Investigate and compare the efficiency of various natural pest control strategies
Vennett Resendiz, Ignacio High School	Carbon Sequestration	Evaluate tree carbon sequestration on IHS campus
Ayden Barry, Zaine Velasquez, Henry Whiteskunk, Donovan Watts, Ignacio High School	Crop Rotation	Evaluating the yield and soil health of greenhouse using crop rotation
Dillon Brann, Madison Egger, Ignacio High School	Natural Pest Control	Evaluating the effectiveness of natural pest strategies

List of Poster Presentations continued (10-10:25 am)

Session B Main Ballroom

Presenter(s)	Title	Description
Marcos Brown, Ignacio High School	Natural Pest Approaches in Green house	Compare and investigate different natural pest control strategies
Hannah Luzetti, Animas High School	How do Mushrooms Help?	Understanding how mushrooms can help after fire impacts
Quorra Benally, Mancos Middle School	Bombs Away!	Functionality of seeds bombs and success based on materials
Evan Perkins, Braden Boreham, Ignacio High School	Benefits of Companion Planting	Agricultural sustainability based on companion planting
T'liela Tallbird, Ignacio High School	Vermiculture and Compost	Looking at vermiculture as compost method
Kane Dendy, Durango High School	Geology at Purgatory Ski Resort	Investigate how the geology around Purgatory resort came to be
Briel Cruz, Ambrose Valdez, Elisha Ostrom, Ignacio High School	Carbon Sequestration	Looking at how trees can support positive climate change efforts
William Webb, Durango High School	Mountains and How they Form	Why and how do different mountains form on earth
Cameron Bell, Leland Richards, Ignacio High School	Establishing Sustainable Beekeeping	Investigate the feasibility and impact of introducing a beekeeping program focusing on pollination and biodiversity
Desmond Tsosie, Animas High School	Sustainability in Mass Production Farming	Focus on reforestation and sustainability from industrial agriculture
Justin Archuleta, Jack Poeling, Ignacio High School	Heat Capacity	Examine how heat capacity can be used for greenhouse temperature regulation
Ben Barrett, Animas High School	River Simulation Table	Presenting a river simulation table to demonstrate how a river functions
Tyce Nossaman, Cryrus Cosio, Shaun Sanderson, Ignacio High School	Sustainable Funding Strategies for Small Scale Composting	Investigate and propose viable funding strategies for establishing and maintaining small scale composting
Gia Mendoza, Ignacio High School	Establishing sustainable beekeeping on High School Grounds	Investigating the impact and feasibility of a beekeeping program on High School grounds
River Griffin, Ignacio High School	Terra Preta	Investigating the process of Terra Preta
Andres Richards, Marlene Martinez-Perez, Ignacio High School	Natural Pest Control	Evaluating the effectiveness of natural pest strategies
Gregory Walker, Sonny Flores, Ignacio High School	Companion Planting in Greenhouse	Exploring the concept of companion planting and its impacts on plant growth