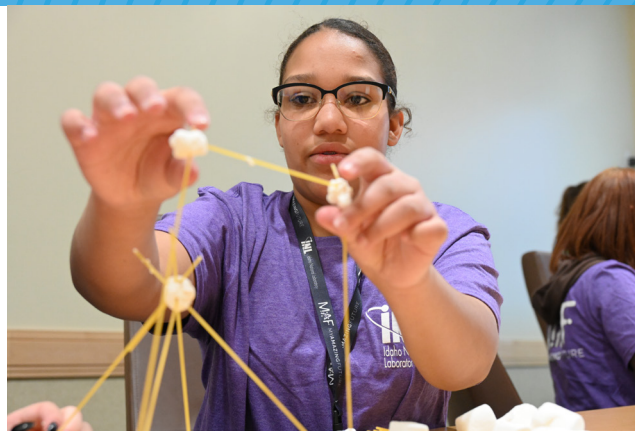




Idaho National Laboratory Exploring and Experiencing Science and Technology Workshop

April 4, 2024



Workshop Schedule

Activities and Workshops

8:00 - 8:15

Student badging and registration

8:15 - 8:45

Opening remarks and welcome, Sunshine Shepherd; Safety information, Cassie Sandoval

Group and Rotation Schedule





Student Groups						
	1	2	3	4	5	6
8:45	★ EIL A-112 ★	★ CAES CAVE ★	ESL A-104/106	CAES Snake River	EIL A-111	EIL A-113
9:45						
10:00	CAES Snake River	EIL A-110	★ EIL A-112 ★	★ CAES CAVE ★	ESL A-104/106	CAES Auditorium
11:00	Restroom break, go to EIL large meeting room for lunch					
11:15	Keynote Speaker: April Augustine					
12:00						
12:15	CAES Auditorium	C3 1131-A	CAES Snake River	EIL A-110	★ EIL A-112 ★	★ CAES CAVE ★
1:15						
1:30	CAES TETON	EIL C-303	★ CAES Gallery ★	CAES Auditorium	C3 1131-A	CAES Snake River
2:30						
2:45	EIL A-110	EIL B-207	EIL A-113	★ EIL A-114 ★	CAES TETON	EIL C-303
4:00	Wrap-up and Goodbye					

Emergency Contact: Sunshine Shepherd (970) 442-1844



-  C3 1131-A | Atomic Inspector
-  CAES CAVE | Fun with Visualization
-  CAES 160 | Human Factors
-  CAES Auditorium | CyberSleuths
-  CAES Gallery | The Phenomenal Forces of Physics
-  CAES Snake River | Solar Electric Cooking for Africa
-  CAES TETON | DNA Isolation from Strawberries
-  Restroom break, evaluations, transition to next workshop
-  EIL A-110 | Environmental at INL
-  EIL A-111 | Space Batteries
-  EIL A-112 | The Mechanical Design Process
-  EIL A-113 | Radiation and Life
-  EIL A-114 | Earthquake Challenge
-  EIL B-207 | Human Factors
-  EIL C-303 | Simulation for All
-  ESL A-104/106 | Mechanical Engineering is Dynamic

Group and Rotation Schedule

Student Groups						
	7	8	9	10	11	12
8:45	EIL A-114	CAES TETON	EIL C-303	CAES Gallery	CAES Auditorium	C3 1131-A
9:45						
10:00	EIL A-111	EIL A-113	EIL A-114	CAES TETON	EIL C-303	CAES Gallery
11:00	Restroom break, go to EIL large meeting room for lunch					
11:15	Keynote Speaker: April Augustine					
12:00						
12:15	ESL A-104/106	EIL C-303	EIL A-111	EIL B-207	EIL A-113	EIL A-114
1:15						
1:30	EIL A-110	EIL A-112	CAES CAVE	ESL A-104/106	EIL B-207	EIL A-111
2:30						
2:45	CAES Gallery	CAES Auditorium	C3 1131-A	CAES Snake River	EIL A-112	CAES CAVE
4:00	Wrap-up and Goodbye					

Welcome



Sunshine W. Shepherd
K-12 STEM Education Coordinator

Sunshine is the K-12 STEM Education coordinator at Idaho National Laboratory. She is a citizen of the Shoshone-Bannock Tribes and the mother to three young children. She works closely to provide outreach and educational opportunities to schools and community organizations. She leads various programming including STEM Scholars and sits on a variety of boards and steering committees. She joined INL in October 2021. She earned her bachelor's in Native American Indigenous studies from Fort Lewis College in Durango, Colorado. She earned her Master of Public Administration from Idaho State University and is working toward a doctorate in education from Idaho State University.



Cassie Sandoval
Administrative Assistant, Space Nuclear Power & Isotope Technologies

Cassie is the Administrative Assistant for the Space Nuclear Power and Isotope Technologies Division. She helps ensure division milestones are met through her support of engineering, operations, quality, and management. Her work contributes to NASA missions by aiding the division in successful fueling of generators used for spacecraft, such as the Mars rovers and the upcoming Dragonfly Mission. Cassie has encouraged national teamwork through her coordination and participation in the annual Nuclear and Emerging Technology for Space conference. She sits on multiple committees geared towards fundraising efforts and STEM education. Additionally, she participates in events including INL tours, outreach opportunities, and recruiting endeavors to inform communities about the lab and facility capabilities. Cassie is currently working towards earning her Bachelor of Science in Business Administration from Boise State University.



Keynote Speaker

April Augustine, PMP
Director, Institutional Planning and Programs

Ms. April Augustine is the Director of the I.D.E.A.L (Inclusive, Diverse, Equitable, Accessible Laboratory) Workforce Development Programs at Idaho National Laboratory (INL), working within the National and Homeland Security directorate. In this role, she leads the development and expansion of new opportunities for engagements that strategically identify partnerships at mission-aligned STEM organizations and universities, including Historically Black Colleges/Universities and Minority Serving Institutions. Emphasizing collaborations, Ms. Augustine works to identify opportunities to partner with universities, students, and federal sponsors to create novel programs, initiatives, and opportunities for INL personnel to participate in joint research projects, serve as mentors, technical speakers, and student networking advisors. Before INL, Ms. Augustine worked at Pacific Northwest National Laboratory, where she developed and led programs that provided paid workforce development opportunities for underrepresented minorities in STEM fields. Originally from Washington State, Ms. Augustine has over 19 years of experience in US National Security project management.