



Chris Earnest

Outreach Coordinator

Recruitment

Outreach Coordinator

Education

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FOLLOW OUR ACTIVITIES

Daily content on minerals, mining, geology and other fun stuff



MINING & MINERALS

COMMUNITY EDUCATION PROGRAM

Interactive in-person or virtual presentations & workshops for grades 5 through community college





the UNIVERSITY OF ARIZONA School of Mining & Mineral Resources

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LET'S CONNECT!

RESOURCES FOR TEACHERS

ENGAGE STUDENTS WITH INTERACTIVE LEARNING

Our team travels statewide hosting fun, interactive programs and hands-on workshops focused on STEM careers and academic exploration. All presentations are aligned with state education standards.

InClass Workshops

- L WHO? Grade 3 through undergraduate
- WHERE? Online or in your classroom
- LENGTH? +/- 1 hour

Topics Include:

- Careers & academic pathways in mining (Grade 9 through undergraduate)
- Mineral properties & uses (Grades 3-12)
- Design a mine (Grades 9-12)
- Mineral processing engineering (Grades 7-12)



the university of arizona School of Mining & Mineral Resources

College and Career FAIRS

- Lewis WHO? Grade 7 through undergraduate
- WHERE? At your location of choice
- LENGTH? Customizable to your needs

Together with our partner organizations, we can contribute to your event by staffing an exhibition table/booth with professional Outreach Coordinators. Hands-on activities and table demonstrations help attendees explore the science and engineering of mining through experiential learning. Available to travel within the state of Arizona.



- WHO? Groups or individual prospective college students
- WHERE? UArizona campus or virtually via Zoom
- LENGTH? +/- 1 hour

We offer opportunities to tour facilities and departments at the University of Arizona, meet with faculty members, attend information sessions, and engage student panels. We make every effort to accommodate visits year-round. UArizona College of Engineering tours also available.



San Xavier MINE TOURS

WHO? All age groups
♥ WHERE? Sahuarita, Arizona
↓ LENGTH? 2-3 hours

Did you know that the University of Arizona has its own underground mine? In Sahuarita, AZ, the San Xavier Mining Laboratory offers free mine tours for upper-level high school and college groups interested in science and geology. Grab a hard hat and go underground in this dynamic field trip.



- 🚨 WHO? Grade 6-12
- WHERE? Flandrau Science Center, Tucson AZ
- LENGTH? 2 hours

This program introduces the mineral resources that touch all of our lives, and gives students hands-on experience with scientific and engineering processes used in modern mining. Students are encouraged to connect chemistry and earth science concepts learned in the classroom to real-world applications in this fun, interactive program.

MINING & MINERALS Community Education PROGRAMS

Interactive in-person or virtual presentations & workshops for grades 5 through community college.



the university of Arizona School of Mining & Mineral Resources

ur Mineral Resource education outreach program, which is funded by the Mining and Minerals Education Foundation provides southern Arizona school students with opportunities to learn the importance of mineral resources to their everyday lives, that those mineral resources are obtained by mining, and the efforts to make mining more modern, safe, and sustainable.

The program annually reaches 10,000 students from grades 5 to 12 via classroom presentations, school-associated and community-group associated Science, Technology, Engineering, Art, and Math (STEAM) fairs, a presence at mining-industry adjacent events, online video outreach content and the Mineral Resource Discovery Workshop on campus.

Each presentation and active learning exercise is tailored to a specific audience and topic and aligned with Arizona state science standards. See the following page for more information on the specific programs.





@minerals.arizona

Follow Us!





Chris Earnest

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Engage Students with Interactive Learning

Our team travels statewide hosting fun, interactive programs and hands-on workshops focused on STEM careers and academic exploration. All presentations are aligned with state education standards.

In-Class Workshops

Topics Include:

- WHO? Grade 3 through undergraduate
- WHERE? Online or in your classroom

LENGTH? +/- 1 hour

- Careers & academic pathways in mining (Grade 9 through undergraduate)
- Mineral properties & uses (Grades 3-12)
- Design a mine (Grades 9-12)
- Mineral processing engineering (Grades 7-12)

College & **Career Fairs**

- WHO? Grade 7 through undergraduate
- WHERE? At your location of choice

LENGTH? Customizable to your needs

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tions, we can contribute to your event by staffing an exhibition table/booth with professional Outreach Coordinators. Hands-on activities and table demonstrations help attendees explore the science and engineering of mining through

experiential learning. Available to travel within the state of Arizona.

University Tours

- WHO? Groups or individual prospective college students
- WHERE? UArizona campus or virtually via Zoom
- LENGTH? +/- 1 hour

We offer opportunities to tour facilities and departments at the University of

Arizona, meet with faculty members, attend information sessions, and engage student panels. We make every effort to accommodate visits year-round. UArizona College of Engineering tours also available.

Cu at the Mine!

Join us at CU at the MINE!—a five-day academy empowering Arizona educators with fun lessons, hands-on field trips, and expert insights to bring mining and mineral science into classrooms.

- WHO? K-12 Teachers
- WHERE? University of Arizona
- LENGTH? 5 days





San Xavier **Mine Tours**

- WHO? All age groups
- WHERE? Sahuarita, Arizona
- LENGTH? 2-3 hours

Did you know that the University of Arizona has its own underground mine? In Sahuarita, AZ, the San Xavier Mining Laboratory offers free mine tours for upper-level high

school and college groups interested in science and geology. Grab a hard hat and go underground in this dynamic field trip.

Mineral Discovery

- WHO? Grade 6-12
- WHERE? Flandrau Science Center, Tucson, Arizona
- LENGTH? 2 hours

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in modern mining. Students are encouraged to connect chemistry and earth science concepts learned in the classroom to real-world applications in this fun, interactive program.







THE UNIVERSITY OF ARIZONA School of Mining & Mineral Resources

Cu at the Mine!

A Minerals & Mining Teacher PD Academy

Choose from 3 sessions:

- June 2-6, 2025
- June 23-27, 2025
- July 7-11, 2025



REGISTER NOW!

https://cvent.me/ob2N7v

Join us at Cu at the Mine!—a five-day academy empowering Arizona educators with fun lessons, hands-on field trips, and expert insights to bring mining and mineral science into classrooms.

- Professional development for middle and high school STEM and CTE teachers
- All lessons aligned with AZ Science Standards
- Field trips to area mines, related museums, and local businesses
- Guest speakers from industry and academia
- Networking social to generate new contacts across the state
- Free classroom materials and a generous stipend to buy more
- Parking, housing, and meals provided at the University of Arizona

Contact mining@arizona.edu to learn more.

We'll Cu at the Mine!

Cu at the Mine!

Professional Development Academy

First Last Name

Company Name

Title



Cu at the Mine!

Professional Development Academy



Key Constant of Arizona School of Mining & Mineral Resources



THE UNIVERSITY OF ARIZONA School of Mining & Mineral Resources

GEOS 397A-70 TEACHING GEOSCIENCE

Earn credits leading the Mineral Resource Discovery Workshop.

Are you interested in teaching kids, helping your community, and learning about science?

This 2-credit course helps you improve your presentation skills while helping K-12 students discover the science & engineering behind how we find and obtain mineral resources.

Wed & Fri @ 9:15-11:45 am

Questions? Chri

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