

T@M Weekly: March 19th



T@M Weekly at a Glance

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Teach@Mines News

Educational Psychology: Summer T@M Course & CAS mid-level elective

Check out teaching and get CAS mid-level credit by taking a Teach@Mines course in Summer 2025:

EDUCATIONAL PSYCHOLOGY AND ASSESSMENT

- SCED333/533
- CAS/HASS 300-level elective!
- Learn about the new science of learning that can be translated into exceptional teaching. An explosive growth in research on how people learn has revealed many ways to improve teaching and catalyze learning at all ages. The purpose of this course is to present this new science of learning so that educators can creatively translate the science into exceptional practice. This course covers field-defining learning theories ranging from behaviorism to cognitive psychology to social psychology and some lesser-known theories exceptionally relevant to practice, such as arousal theory. Together the theories, evidence, and strategies can be combined endlessly to create original and effective learning plans and the means to know if they succeed.

Fall STEM teaching electives

Check out Teach@Mines courses in K-12 math, science, and computer science. Four courses qualify for CAS/HASS elective credit!

K-12 FIELD EXPERIENCE & BUILDING STUDENT RELATIONSHIPS

- SCED262/562
- Experience a classroom setting firsthand and explore the benefits and challenges of modern K-12 education.

EDUCATIONAL PSYCHOLOGY AND ASSESSMENT

- SCED333/533
- CAS/HASS 300-level elective!
- Learn about the new science of learning that can be translated into exceptional teaching.

DYNAMIC TEACHING: Motivation, Classroom Management, Differentiation of Instruction

- SCED363/563
- CAS/HASS 300-level elective!
- Learn to teach in powerful ways that help ensure all students can learn.

MATHEMATICAL PRACTICES & THE SOCIAL CONTEXT OF MATH

- MAED405/505
- CAS/HASS 400-level elective!
- Learn to promote students' math identity and understanding of mathematical practices.

COMPUTER SCIENCE PRACTICES & TECHNOLOGICAL IMPACTS ON SOCIETY

- CSED430/530
- CAS/HASS 400-level elective!
- Integrate industry practices in CS & the impacts technology has had on society into your teaching.

PHYSICS & CHEMISTRY TEACHING TECHNIQUES

- SCED445/545
- Learn physics/chemistry instructional approaches for sparking curiosity in students.

Interested in teaching? Schedule an advising appointment

Teach@Mines offers advising to students who would like to learn more about the program and pathways towards teaching licensure. Teach@Mines offers teacher licensure in Secondary Science (grades 6-12), Secondary Mathematics (grades 6-12), Middle Grades Mathematics (grades 6-8), and K-12 Computer Science. Licensure can be pursued through one of three pathways: by adding our minor, pursuing a Bachelor of Science in Design Engineering with a focus on STEM teaching, or through a Master in STEM Education. To learn more or to schedule an advising appointment, contact the Teach@Mines team at teach@mines.edu.

Planning to take K-12 Field Experience, Capstone I or II in Fall 2025?

If you intend to take K-12 Field Experience (SCED262/562), Capstone I/Practicum (CSED/MAED/SCED464/564), or Capstone II/Student Teaching (CSED/MAED/SCED465/565) and have not already connected with the Teach@Mines team to plan your field placement, please contact us at teach@mines.edu.

Scholarship Opportunities

Applications Open for Fall 2025 Noyce Scholarship & Stipend

The Teach@Mines Noyce Scholarship and Stipend Program seeks to encourage and enable Mines students to become science, mathematics, and computer science teachers. The scholarship program is intended for students either in their junior/senior years or who have already graduated with a bachelor's degree and who would like to pursue a teaching career in science, mathematics, or computer science. The value of the scholarship is between \$12,500 - \$15,000 (\$12,500 for in-state/MS students and \$15,000 for out of state students) per semester. Undergraduate students may receive up to six semesters worth of funding and graduate students may receive up to two semesters of funding. Scholarship recipients are required to complete one year of teaching in a high-needs school district for every semester of scholarship received.

The deadline to apply for Fall 2025 funding is 11:59p on March 27, 2025. Read more about the award and apply here: <https://www.mines.edu/teacherprep/noyce-program/>

Noyce Classroom Experience Award

The Teach@Mines Noyce Classroom Experience Award seeks to encourage passionate Mines students to explore K-12 teaching by providing paid classroom experiences. Students will spend time in local schools, gaining first-hand experience of the profession, and will earn a \$500 stipend for successfully completing SCED 262/562 K-12 Field Experience.

Applications for Fall 2025 funding will open in the Fall. **Register to take SCED262/562 in Fall 2025 and be eligible to earn a stipend while exploring K-12 teaching!**

Reimbursement Available for Praxis Tests

The Praxis Subject Assessment exam is a content area exam accepted for meeting content competency requirements for certain Colorado teaching license endorsements. **If you take a Praxis exam before the end of Spring 2025, Teach@Mines can reimburse you for the cost of your exam!** Praxis exam scores are good indefinitely unless CDE changes the endorsement requirements, so this is the time to take an exam to demonstrate your content knowledge. Learn more about the Praxis exam and endorsements [here](#).

Volunteer Opportunities

Ben Franklin Academy's STEAM Expo – May 2

Ben Franklin Academy (BFA) is a K-8 public charter school located on the western side of Highlands Ranch, Colorado. One of our key parent-led groups is the STEM Committee, which focuses on bringing the wonderful world of science, technology, engineering, arts, and math (STEAM) to our students through programs and activities that compliment and enhance the in-class curriculum. The STEAM Expo, is an annual event that brings in 20 to 30 STEM-focused organizations to the school for hands-on demos and activities. If you are interested in attending and helping out, contact Kyle Nolting at knolting@bfacademy.org.

The Expo allows us to bring in businesses and programs from our surrounding community to educate and inspire our students on STEAM related topics and careers. We invite you to participate in the event this year and are also open to exploring other types of classroom outreach and involvement throughout the school year.

Key Details

- **When:** Friday, May 2nd from 9am to 3pm (plus 30 min before and after for setup/take down)
- **What:** Hands-on interactive STEAM activities for approximately 1,000 Pre-K through 8th grade students.
- **Where:** Indoors and outdoors. For 2025, we will host most of our vendors inside our large gymnasium at Ben Franklin Academy, while others will be located outside in a courtyard commons area under shade tents that will be provided.
- **How:** Each vendor will have a 6-foot table booth space (or more if needed). Students will cycle through the Expo throughout the day, several classes at a time, and they will

spend time visiting and engaging with the booths that interest them. Each class will have roughly one hour to explore the Expo offerings.

- **Why:** Help hundreds of K-8 students get excited and inspired about STEAM-related topics and careers, while sharing your expertise!
- **Bonus:** We will provide lunch for all of our participants during a mid-day break.

Summer Teaching Opportunity

There is an opportunity to teach STEM topics at a Scout camp east of Castle Rock in Summer 2025. If you are interested in leading STEM instruction in a beautiful outdoor setting, contact Steve Enger to learn more at engerwork@comcast.net.

Job Opportunities

UNC's K-12 Educator Employment Fair – March 25 & 26

The Center for Career Readiness at the University of Northern Colorado invites you to participate in our upcoming **K-12 Educator Employment Fair Days** on **March 25** and **March 26**. This is a fantastic opportunity for students exploring careers in education to connect with **70+ school districts** actively seeking educators, counselors, and other school professionals. Whether you are looking for full-time positions, internships, or simply want to network, this fair is a valuable chance to engage with potential employers. Register using your .edu email here: [Register on Handshake](#). If you are unable to register via Handshake, please submit your registration here: [Sign Up Genius](#)

Tech Instructors for Summer 2025 iD Tech Summer Camp

We are currently seeking Tech Instructors for our upcoming summer programs at Colorado State University and University of Denver and housing is offered at both locations! This role is ideal for students looking to gain valuable experience in STEM education while inspiring the next generation of innovators.

We are hiring for any of the following disciplines: coding, game design, robotics, video & video production, digital art & design.

Key highlights of the Tech Instructor position:

- Teach engaging curriculum to students ages 7-19 within skills you already possess
- Collaborate with other passionate instructors
- Gain practical experience with the latest technologies

Requirements:

- Some experience in any of the following topics: coding, game design, robotics, video & video production, digital art & design
- Experience or interest in working with kids and teens
- Good communication, flexibility, and a positive attitude

Benefits:

- We are able to meet most internship requirements
- Room and board provided at Colorado State University and University of Denver
- Work at nearby prestigious university campuses or remotely
- Valuable teaching and tech industry experience
- Networking opportunities with peers and professionals

This summer position is an excellent way for your students to apply their knowledge, develop important soft skills, and explore potential career paths in STEM education or the tech industry. We would greatly appreciate it if you could share this opportunity with your members. Interested students can apply or learn more [here](#).

Generation Teach AmeriCorps Summer Teaching Fellowship

Do you want a fun, hands-on experience working with students in your community while earning **\$4,800**? If so, the [Generation Teach](#) AmeriCorps Summer Teaching Fellowship is for you. Generation Teach provides high-school and undergraduate students of all majors with high-quality summer experiences.

Selected students will:

- Make a 7-week commitment which includes pre-summer preparation, in-person training, and 24 days of teaching small classes of Denver or Aurora middle-school students
- Plan and deliver daily lessons in engineering, law, math, or reading
- Lead and support student events and activities including small advisory groups, twice weekly Community Meetings, and more!
- Receive daily coaching and feedback from a professional teacher
- Earn \$4,800 (\$3,234.92 in cash and an \$1,565.08 AmeriCorps Education Award)

The final deadline for summer 2025 is April 15. Fellowships fill quickly; apply [here](#)!

Other Opportunities

CDE and TEACH Colorado Group Advising Sessions

The Colorado Department of Education's (CDE) Educator Career Navigation team and TEACH Colorado have partnered to provide regular group advising sessions for future classroom teachers, with some conversations geared toward specific teaching roles and others focused on different areas of the state. Visit the [TEACH Colorado Events webpage](#) for a full schedule of events.