

T@M Weekly: April 23rd



T@M Weekly at a Glance

Teach@Mines News

- Fall STEM teaching electives (THREE CAS 400-level electives!)
- Educational Psychology: Summer T@M course & CAS mid-level elective
- Interested in teaching? Schedule an advising appointment
- Capstone I/Practicum Fall 2025 Pre-placement survey
- Planning to take K-12 Field Experience, Capstone I or II in Fall 2025?
- Get involved with TEA – Run/vote in elections on 4/24
- Teacher's Education Alliance Meeting 4/30 – End of Year TEA Celebration
- Seeking T@M Student Interns for Fall 2025

Scholarship Opportunities

- Noyce Classroom Experience Award for Fall 2025 SCED262/562 students
- Reimbursement Available for Praxis Tests

Volunteer Opportunities

- Ben Franklin Academy's STEAM Expo on 5/2
- Denver Public Schools STEAM Expo on 5/3

Job Opportunities

- 2025–26 STEP UP Virtual Professional Learning Community – Apply by 5/2
- Opportunities at Legacy Campus in Douglas County School District
- STEM Teacher at Rocky Mountain Academy of Evergreen
- Opportunities at Downtown Denver Expeditionary School
- Tech Instructors for Summer 2025 iD Tech Summer Camp

Other Opportunities

- CDE and TEACH Colorado Group Advising Sessions
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Teach@Mines News

Fall STEM teaching electives (THREE CAS 400-level electives!)

Check out Teach@Mines courses in K-12 math, science, and computer science. This Fall, five courses qualify for CAS/HASS elective credit! **Please note that there has been an update: SCED415/515 is now being offered in the Fall and SCED445/545 will be offered in the Spring.**

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.

SCIENTIFIC PRACTICES & ENGINEERING DESIGN & THE NATURE OF SCIENCE

- SCED415/515
- **CAS/HASS 400-level elective!**
- Integrate the nature of science, scientific practices, and engineering design into your teaching.

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.

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.

Capstone I/Practicum Fall 2025 Pre-placement survey

If you are taking Capstone I/Practicum (CSED/MAED/SCED465/565) in the Fall, please complete the [Capstone 1 - Practicum Pre-placement Survey](#). Please contact the Teach@Mines team at teach@mines.edu with any questions.

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

If you intend to take K-12 Field Experience (SCED262/562) 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.

Get involved with TEA – Run/vote in elections on 4/24

Are you looking for an opportunity to share your teaching interests and take on a leadership role in a Mines Student Organization? Get involved with the Teacher's Education Alliance (TEA) by attending their **Elections on Thursday, April 24th in CK 282 from 4:00 - 5:00 PM**. This will be an opportunity to vote and decide on the future of TEA's leadership and direction. All are welcome to apply and vote!

The Teacher Education Alliance (TEA) is a forum for discussion of any education related issues, not just high school or middle school teaching. The purpose of TEA is to provide professional development and community connections to individuals interested in the teaching profession. If you have any questions or require an accommodation in order to participate in this event, please contact TEA President Katrina Ngo at kngo@mines.edu. Advance notice may be necessary to arrange for some accessibility needs.

Teacher's Education Alliance Meeting 4/30 – End of Year TEA Celebration

Join the Teacher's Education Alliance (TEA) for their End of Year Celebration on **Wednesday, April 30th in CK 282 from 4:00 - 5:00 PM**. This is an opportunity for students interested in the education sector to say goodbye to their peers before summer. Students can have discussions around teaching, their experiences in the classroom, and hopes for the future.

If you have any questions or require an accommodation in order to participate in this event, please contact TEA President Katrina Ngo at kngo@mines.edu. Advance notice may be necessary to arrange for some accessibility needs.

Seeking T@M Student Interns for Fall 2025

Teach@Mines is planning to hire a couple of student interns to assist with various tasks on campus such as posting flyers and helping at T@M events. **If you are passionate about teaching and supporting teachers, this position is a good fit for you!** Reach out to teach@mines.edu with any questions. To express your interest in becoming a T@M Student Intern or a T@M Lead Student Intern, please complete [this interest form](#).

Scholarship Opportunities

Noyce Classroom Experience Award for Fall 2025 SCED262/562 students

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 on 5/2

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.

Denver Public Schools STEAM Expo on 5/3

The DPS STEAM Expo will take place on **Saturday, May 3, from 8AM to 3PM**. Come support the DPS community by volunteering to assist at event stations! Learn more or sign up as a volunteer at the [DPS STEAM Expo website](#).

Job Opportunities

2025–26 STEP UP Virtual Professional Learning Community – Apply by 5/2

The national STEP UP project (www.stepupphysics.org) is currently recruiting STEM majors who may teach high school physics in the future for a paid Professional Learning (PL) opportunity this summer. Note: the majority of physics teachers in the US specialize in areas other than physics (e.g. chemistry, earth science, math, etc.). So this opportunity may be for you even if you are not a physics major/minor. If you are a physics major/minor and plan to teach high school physics in the future, this is definitely for you!

Participation requires attending a two-day virtual Professional Learning (PL) Summit and completing surveys/interviews. The PL focuses on everyday actions that teachers can implement to create supportive classroom communities and inspire students to see themselves as a physics person. [Apply here](#) by **May 2, 2025**.

You will receive a stipend for participation. For more information, please contact stepupphysics@aps.org.

HS Chemistry Teacher at Prospect Ridge Academy

Prospect Ridge Academy is [hiring a high school chemistry teacher](#) for the 2025-2026 school year. They are a STEM focused school with an established chemistry curriculum and a veteran chemistry teacher in the department who could provide mentorship. For more information, please contact Anna Levy at alevy@prospectridgeacademy.org.

Opportunities at Legacy Campus in Douglas County School District

Legacy Campus in Douglas County School District is hiring! Our mission is to cultivate a Career & Technical Education environment where post-secondary and industry partnerships provide relevant opportunities for high school students in the Douglas County community in order to ensure a competitive advantage and workforce readiness. Teaching opportunities include a Robotics Instructor, an Advanced Manufacturing/Aerospace Instructor, and others. Learn more and apply [here](#).

STEM Teacher at Rocky Mountain Academy of Evergreen

Rocky Mountain Academy of Evergreen (RMAE) is seeking a passionate and innovative K-8 STEM Teacher to inspire and empower our students through hands-on, creative, and technology-integrated learning experiences. Our amazing community offers small class sizes, great students, fun staff, engaged families, a professional Board and helpful community partners. At RMAE, you have the freedom to manage your own classroom while still being supported by administration and team members. As a public charter school in Jeffco, RMAE enjoys the flexibility to be innovative and self-governing. If you enjoy collaboration and an inclusive environment, RMAE is the place for you! See [this flyer](#) for more information and instructions on how to apply.

Opportunities at Downtown Denver Expeditionary School

Downtown Denver Expeditionary School is hiring for teaching positions in elementary-level STEM classes, including a 4th grade math teacher, a 3rd grade general teacher, a 5th grade expedition teacher, and a special education teacher. To learn more about these opportunities, please visit [Downtown Denver Expeditionary School's website](#).

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](#).

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.