2024 UTEACH STEM EDUCATORS CONFERENCE SCHEDULE

Tuesday, May 21

1:00 – 2:30	Plenary and Opening Session in Zlotnik Ballroom — Opening Session Speaker: **Dr. Paulette Evans**, Director of UABTeach at the University of Alabama at Birmingham

	104	107	108	115	116	Z1	Z2
2:45 – 3:45	Elevating the Profession: Unveiling the Sixth 'E' in Preservice Teacher Education	What Is UTeach?	The Impact of UTeach-Trained K–12 Teachers on Developmental Math Classes at the University Level	Connecting Content Challenges Through Engineering Design	Understanding and Building STEM Identity	Innovations in Remote Student Support: The Power of XR Tutoring	Course Overview: Classroom Interactions
4:00 – 5:00	A Watershed Event (AWE): A 3D Teaching Ecosystems Curriculum for Middle and High School Biology or Environmental Science	Sustaining UTeach Alabama	Using Coached Rehearsal to Transform Student Performance in UTeach Field Courses	Exploring Preservice Teachers' Development of STEM Teaching Philosophies	Course Overview: Step 1 and Step 2	Energizing STEM Instruction: AI Innovation in Blended Learning Classrooms	

5:30 – 7:30	Reception and poster session in Zlotnik Ballroom

Competitive Student Posters		Non-Competitive Posters
Breaking Ground: Empowering Children With Physical Disabilities in Inclusive Agriculture Classrooms	Implementing the Seven Survival Skills in Agricultural Education	Spotlight on Supporting Culturally Responsive Teaching in NevadaTeach
Classroom Interactions: Structure and Requirements	Inventive Insect Instruction	USEA Induction, Professional Development, and the Equity, Racial, and Social Justice Working Group
Closing Chemistry Content Knowledge Gaps for Blind and Low Vision Students	Novice vs Expert: Soil Conservation	Educational Impact of Fire Science Lessons on Middle School Science Students During a NevadaTeach Internship
Community Building Through UTeach STEAM PB at UT Permian Basin	Octet Rule's Influence on Student Understanding of Chemical Bonding	
Create Your Own Species: A Project-Based Learning Unit Exploring Evolution, Natural Selection, and Adaptations	PBI Unit: From Farms to Streams	The High School Research Initiative Expansion Project
Diary of a Newly Launched UTeach Program: Alabama A&M University Teach	Print, Drop, and Conquer: Investigating the Impact of Different Filaments on Egg Drop Performance	Growth of NevadaTeach Pre-Service Teachers While Working a National Science Foundation Internship
Empowering Confidence in STEM: Art-Based SEL in Project-Based Instruction	Restoring Water: Understanding Hurricane Impact and Purification Solutions	
Fostering Intern Experiences: Motivating Students to Take Ownership of Their Futures in STEM	The Experiences of Women Students and Faculty in Male-Dominated STEM Fields: A Case Study	
How Research Methods Inquiries Support Pre-Service Agriculture Teachers	The Strongest Element	
	Unveiling the Path of Inquiry	

Wednesday, May 22 — Morning

8:00 – 9:15	Breakfast: General breakfast for all. Special breakfast meeting for students. Special breakfast meeting for Master Teachers.

	104	107	108	115	116	Z1	Z2	Z5	Z6
9:30 – 10:30	Affinity Spaces as Critical Professional Development to Support Student Belonging and Identity Development	We're Doing UTeach . . . Now What?	Classroom Management Through the Lens of Current Culture: An Innovative Approach to Managing Resistant Behaviors	Creating Teacher Leaders in an Upper-Level Functions and Modeling Course	Insights Unearthed: Unveiling Transformations in Impressions on Inquiry-Based Teaching Through Time Capsule Discussions	The Critical Use of AI-Generated Lessons in Preservice Teacher Preparation	Course Overview: Knowing and Learning in Mathematics and Science	Decolonizing and Queering Math Classrooms: Building on the Banks Multicultural Model	
10:45 – 11:45	Reimagining the UTeach Curriculum for an Alternative Certification Pathway	What We Learned in Year One	Agriculture Education in the NevadaTeach Classroom	Promoting Authentic Mathematical Engagement with Rich Mathematical Tasks and Intentional Pedagogical Actions	Digital Citizen: Using Google Classroom in a Middle School Mathematics Project	Empowering Tomorrow's Innovators: Utilizing Computer Science in STEM Education		USEA Recruitment Panel	Course Overview: Research Methods

11:45 – 1:00	Lunch

Wednesday, May 22 — Afternoon

	104	107	108	115	116	Z1	Z2	Z5	Z6
1:00 – 2:00	Past the Tipping Point: The Rise of Uncertified Teachers	Preparing Secondary STEM Teachers for High-Needs Settings Using Structured Mentoring	Teaching THROUGH the 5E Model	Mic Check, One, Two: Is This Feedback Working?	The Case of The Murdered Mayor: Solve a Forensic Case Using Multiple Lines of Evidence	AI in Education: Embracing the Present, Shaping the Future	Course Overview: Perspectives on Science and Mathematics	Knowing, Learning, and Ungrading: A Course Policy for Change	Course Overview: Functions and Modeling
2:15 – 3:15	Tracking UTeach Graduates from Completion to Classroom: A Look at the Schools and Students They Serve	Fundraising Essentials Workshop: Practical Strategies for Success	Building Community and Sense of Belonging to Improve Community College Engagement and Transfer	One Size Fits All? Crafting a University-Specific Recruiting Message	Enhancing Education Through Personalized Learning: Integrating the 5E Model and Blended Learning	How to Create Equitable Lesson Plans Using Generative AI	Breaking Down Certification Barriers with Exam Preparation	Decoding the Puzzle: Exploring the Tower of Hanoi	Frameworks for Integrated Project-Based Instruction in STEM Disciplines

3:15 – 4:00	Visit exhibitors and have snacks

	104	107	108	115	116	Z1	Z2	Z5	Z6
4:00 – 5:00	UTeach for Texas: Pathways to Teaching for Degree Holders	The Gift of Gratitude: Perspectives on Fundraising in STEM Education	Preparing to Teach for Equity and Justice: The CU Teach Equity Framework	Student Retention in FIUteach: Examining Intersections of Cultural, Teaching, and STEM Identities	Harnessing the Benefits of Video-Enhanced Reflection and Artificial Intelligence to Support Teacher Candidate Reflection	Empowering STEM Educators: Integrating AI Tools for Culturally Responsive Teaching	USEA: Strategizing for Change in STEM Education	Exploring the Mutual Benefits of a Paid K–12 Internship Program: A Win-Win for UTeach Candidates and Local School Districts	Course Overview: Project-Based Instruction

5:30-8:00	UTeach alumni mixer — Moody's Kitchen and Bar, 2530 Guadalupe Street

Thursday, May 23

8:00 – 9:15	Breakfast: General breakfast for all. Special breakfast for Alabama programs. Special breakfast for Texas programs.

9:30 – 10:30	Closing Keynote in Zlotnik Ballroom — Keynote Speaker: **Dr. David Yeager**, Professor of Psychology at the University of Texas at Austin

	104	107	108	115	116	Z1	Z2	Z5	Z6
10:45 – 11:45	Explorations in UTeach: Step1, Step 2 and Combo	From the Ground Up: Recruitment in Year One and Beyond	Educational Fusion: CS Teaching Adventures with ChatGPT	Student Discovery of Diversity and Inclusion in STEM Fields	Co-Director Meeting — Closed Session	Navigating the New Texas Teacher Preparation Requirements			

11:45 – 1:00	Lunch

	104	107	108	115	116	Z1	Z2	Z5	Z6
1:00 – 2:00	Strategies for Implementing a Yearlong Residency Model in Your Secondary STEM Teacher Preparation Program	Creative Ways to Increase Computer Science Teacher Certification	Coding and STEM: Where Fun and Learning Collide	Recruiting High School Students into UTeach: Partnering with Career and Technical Programs	Course Overview: Apprentice Teaching				