2024 SD STEM Ed Conference — February 1, 2, & 3, 2024 — Friday Schedule at a Glance

Room	Lobby	Exhibit Hall	Prairie A	Prairie B	Prairie C	Dakota A	Dakota B	Dakota C	Dakota E	Dakota F	Dakota G	Symposium	Salon 1 & 2	Room
8:00 AM	7:00 AM - 4:20 PM Registration	Visit Exhibitors 8:00 AM till 5:00 PM	Opening Session											8:00 AM
8:30 - 9:20 AM			President Panel Discussion											8:30 - 9:20 AM
9:30 - 10:20 AM			**Incorporating Equity Tasks into Everyday Math Classrooms** **Bobson Wong**			**Science in a Suitcase** **Darwin Daugaard**	**Focused Observation in Math & Science Classrooms** **Nicol Reiner**	**Fish Adaptations Lesson in the Classroom with SD GFP** **Cheyenne Parke**	**Integrating Edison Robots in the Classroom** **Jennifer Schulte, Andrew Kramer**	**Reimagine the Power of Student Discourse and Inquiry in the Every Day Classroom** **Tanya Dodson**	**CRA in the Math Classroom (Concrete - Representational - Abstract)** **Marcy Kickhafer**	**Teaching Science with Storylines** **Jeffrey Peterson**	**Art + Engineering: Materials, Metal Clay, and More! Elementary** **Katrina Donovan, Deborah Mitchell**	9:30 - 10:20 AM
10:30 - 11:20			{ Lunch Set-up }			***** Waiting ***** **Ian Her Many Horses**	**Demystifying the Fraction Rules We Teach** **Graham Fletcher**	**Enhancing Science Learning: The Role of AI Integration in the Classroom** **Nicole Uhre-Balk, Andrew Ley**	**These cars are mint! Incorporating the Engineering Design Process in STEM** **Leslie Sauder**	**Science through the Lens of Agriculture** **Christine Wood, Madison Kovarna**	**Math Language Routine - Information Gap** **Marcy Kickhafer**	**Visual Thinking Strategies - How can we use this strategy to encourage students to engage in science?** **Matt Miller, Larry Browning**	**STEM Materials Science Kits Elementary** **Katrina J. Donovan, Deborah Mitchell**	10:30 - 11:20
11:20 - 11:50 AM Lunch	Networking & visit Exhibitors		Hosted by SDCTM & SDSTA											11:20 - 11:50 AM Lunch
12:50 - 1:10 PM	Networking and visit Exhibitors													12:50 - 1:10 PM
1:10 - 2:00 PM	7:00 AM - 4:20 PM Registration	Visit Exhibitors 8:00-5:00	{ Lunch tear down & room Set-up }			***** Waiting ***** **Ian Her Many Horses**	**The Power of Progressions: Untangling the Knotty Areas of Teaching and Learning Mathematics** **Graham Fletcher**	**AI's Blueprint for the 21st Century Graduate** **Andrew Ley , Nicole Uhre-Balk**	Setup	**Utilizing Free Online Resources for Integrated Biology Labs** **Andrew Sathoff**	**Clothesline Math and Which One Doesn't Belong** **Marcy Kickhafer**	**DSU Mobile Cyber Lab: Let Us Bring Experiential Learning to You!** **Kyle Cronin , Shawn Zwach**	**Art + Engineering: Materials, Metal Clay, and More! Jr-Sr Hi** **Katrina Donovan , Deborah Mitchell**	1:10 - 2:00 PM
2:10 - 3:00 PM			**Teaching Math as a Language** **Bobson Wong**	**Engaging Tasks to Encourage Discourse (Gr. 3-5)** **Laurie Boswell**	**Unlocking Minds: AI-Powered Math Breakout Box Adventures** **Ashley Digmann, Kenedy Koepsell and Bailey Spaans**	**Nourish the Future: Tomorrow's science is looking for leaders** **Heather Bryan , Spencer Cody**	**Citizen Science with NASA** **Cassie Soeffing**	**Flash Kaboom, Sound and Light Part 1** **Chad Ronish**	**Oglala Lakota College and the Little Shop of Physics - Our Hands-On Approach to Teaching Science Jr Hi** **Cherie Bornhorst, Misty Brave, Jesse Pina, Julie Scheffel, Madi de Vries**	**STEM Beyond The Bell** **Jeff Sebern, Billy Mawhiney**	**SD - AAPT Business Meeting & Photo Contest** **James Stearns, Larry Browning & Darwin Daugaard**	**Bee Curriculum in Our Schools** **Denise Clemens, Seth Loofbourrow, Rise Jongeling, Landra Knodel**	**STEM Materials Science Kits Jr-Sr Hi** **Katrina J. Donovan, Deborah Mitchell**	2:10 - 3:00 PM
3:00 - 3:30 PM	Networking and visit Exhibitors													3:00 - 3:30 PM
3:30 - 4:20 PM	7:00 AM - 4:20 PM Registration	Visit Exhibitors 8:00-5:00	**Think Inside the Box** **Bobson Wong**	**For the Love of Geometry (Grades 6-12)** **Laurie Boswell**	**Math Isn't Yucky: Games & Activities for K-8 Students** **Kevin Smith**	**Cultivating Indigenous Research Communities and Leadership in Education and STEM Alliance: An opportunity for educators to develop culturally relevant STEM resources** **Stephanie Higdon**	**GLOBE Observer** **Cassie Soeffing**	**Flash Kaboom, Sound and Light Part 2** **Chad Ronish**	**Oglala Lakota College and the Little Shop of Physics - Our Hands-On Approach to Teaching Science 7-12+** **Cherie Bornhorst, Misty Brave, Jesse Pina, Julie Scheffel, Madi de Vries**	**Expanding Cyber Education and Career Pathways** **Fenecia Homan**	**Exploring Quantum Effects with LEDs** **Larry Browning, Steve Wignall**	**ChatGPT: The future of STEM lesson planning** **Betsy Schamber**	Clean Up	3:30 - 4:20 PM
4:30 - 5:30 PM						**SDSTA meeting**	**SDCTM meeting**					**SHARE the CLASSROOM Treasures can be found down this hallway Help yourself to these free supplies, while they last!**		4:30 - 5:30 PM
5:30 PM	Social								**Order & pay for Conference swag (shirts, bags, cups &/or cap) in advance for no shipping charge when you pick-up your order at the conference. Available with SD STEM Ed, SDCTM or SDSTA logo. https://tinyurl.com/SD-STEM-Ed-swag-2024**					5:30 PM
6:30 PM			Awards Banquet & Featured Speaker Dr. Graham Fletcher Teaching on the Edge of Understanding and at the Speed of Learning											6:30 PM
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