


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			
8:00 AM	7:00 AM - 4:20 PM Registration	Visit Exhibitors 8:00 AM till 5:00 PM	Opening Session			Eco-Schools US: A New & Sustainable Path Forward Naomi Alhadeff	Educational Opportunities with SD GFP and SDSU Extension and 4-H Joseph Salvati								8:00 AM	
8:30 - 9:20 AM			President Panel Discussion													
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 }			Why Computer Science Should Matter to South Dakota Educators and Students Ian Her Many Horses	Demystifying the Fraction Rules We Teach Graham Fletcher	Bug Bistro is now OPEN!!! Brenda Murphey	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 }			Why Computer Science Should Matter to South Dakota Educators and Students Ian Her Many Horses	The Power of Progressions: Untangling the Knotty Areas of Teaching and Learning Mathematics Graham Fletcher	Open	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 & 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, Julie Scheffel, Madi de Vries	STEM Beyond The Bell 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, 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			Social-Sponsored by Imagine Learning				SDSTA meeting	SDCTM meeting							4:30 - 5:30 PM	
5:30 PM	Awards Banquet & Featured Speaker Dr. Graham Fletcher Teaching on the Edge of Understanding and at the Speed of Learning							Order & pay for Conference swag (shirts, bags, cups &/or cap) by January 15 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			SHARE the CLASSROOM Treasures can be found down this hallway Help yourself to these free supplies, while they last!		5:30 PM			
6:30 PM														6:30 PM		
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