

**2024 SD STEM Ed Conference February 1, 2, & 3, 2024 Saturday 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	Salon 2	
7:00 AM	7:00 AM - 3:30 PM	Visit Exhibitors			SD PAEMST Breakfast										
8:00 - 8:50 AM	Registration	8:00 AM till Noon	Assessing Student Thinking through Context, Coherence, and the Questions In-Between <b>Graham Fletcher</b>	Math, Business, and The Farming Game <b>Nathaniel Raak</b>	What's that color? <b>Larry Browning</b>	Nerf Guns in Elementary Math/Science <b>Julie Bruckner</b>	Notetaking and Vertical Whiteboards: How Students Take Notes in a Thinking Classroom <b>Annamarie Dobbs</b>	Engaging Elementary Students' Scientific Evaluations Through Narrative Non-fiction <b>Tim Klavon</b>	Oglala Lakota College and the Little Shop of Physics - Our Hands-On Approach to Teaching Science Elem grades <b>Cherie Bornhorst, Misty Brave, Julie Scheffel, Madi de Vries</b>	STEAM/STEM in every classroom <b>Sadia Risse</b>	Integrating Engineering Teams in the Classroom <b>Robert Dahlenburg</b>	Tales from a Building Thinking Classroom - Year 2 <b>Crystal McMachen, Shannon Bren</b>	Mathigon: The Hottest Math Resource Since Desmos <b>Mark Kreie</b>	Build Strong Investigative Skills in STEM to Address a Significant Environmental Concern <b>Amy Strong</b>	8:00 - 8:50 AM
9:00 - 9:50 AM			Building Thinking Classrooms in Mathematics- Panel Discussion <b>Stephanie Higdon</b>	Getting into the Game: How Science Olympiad can give your students a chance to flourish in STEM <b>John Williams, Nicole Melhaff</b>	Measuring the Speed of Sound 3+ Ways <b>Larry Browning</b>	Leveraging Digital Tools for Reading and Writing in STEM <b>Deann Kertzman</b>	Using Math Talk to Foster Equity <b>Bobson Wong</b>	Don't Fret Those Geometric Sequences <b>Dan Van Peurse</b>	Oglala Lakota College and the Little Shop of Physics - Our Hands-On Approach to Teaching Science Pre-K-7 <b>Cherie Bornhorst, Misty Brave, Julie Scheffel, Madi de Vries</b>	NASA/IPAC Teacher Archive Research Program: getting teachers involved in authentic astronomical research. <b>Spencer Cody</b>	How Does Air Flow: Integrating Underground Data Science in MS/HS Classrooms <b>Emily Siemonsma</b>	Enhancing Learning with Belonging <b>Nicol Reiner</b>	K-8 Math Teachers: Desmos Classroom is for you! <b>Mark Kreie</b>	Soil Health Principles <b>Anne Lewis, Jeff Zimprich</b>	9:00 - 9:50 AM
10:00 - 10:50 AM			{ Lunch Set-up }			Why Computer Science Should Matter to South Dakota Educators and Students <b>Ian Her Many Horses</b>	Think Inside the Box <b>Bobson Wong</b>	Family Math: Something great <b>Cindy Kroon</b>	Formative Assessments That Work <b>Julie Dahl</b>	Healthy Kids 101: Building Blocks of Health Literacy <b>Louisa Otto</b>	Engineering is Elementary Pt 1- Designing the Storm-proof Building <b>John Williams Possible, but TBD</b>	Papua New Guinea - The dreams of STEM education <b>Matt Miller</b>	Target Based Grading in a High School Mathematics Classroom <b>Mark Kreie</b>	Ignite: Braiding Western STEM and Indigenous Ways of Knowing <b>Anne Lewis</b>	10:00 - 10:50 AM
10:50 AM			Networking, Exhibitors & Posters												
Lunch			Hosted by SDCTM & SDSTA												Lunch
12:40 - 1:30 PM					Why Computer Science Should Matter to South Dakota Educators and Students <b>Ian Her Many Horses</b>		OPEN	Meet Your Future Teachers <b>Dan Van Peurse, Sharon Vestal and Matt Miller</b>	Lift Off Space Training Rise Jongeling Make Your Slide Presentations More Engaging <b>Sheila McQuade</b> Nationwide Eclipse Ballooning Project <b>Bree Oatman, Peggy Norris</b>	Radiation Unveiled: Merging Pop Culture and Teaching <b>Benjamin Benson, Chad Ronish</b>	Engineering is Elementary- Pt. 2-- Building and Testing Storm-proof Buildings <b>John Williams Possible; TBD</b>	Apiaries in the Classroom: Educating South Dakota's Youth about Honey Production through Educational Beehives <b>Spencer Cody</b>	OPEN	MacroBlitz - Part I <b>Anne Lewis</b>	12:40 - 1:30 PM
1:40 - 2:30 PM			Incorporating Equity Tasks into Everyday Math Classrooms <b>Bobson Wong</b>	Effective Talking Strategies: Enhancing Communication in Education <b>Ashley Armstrong</b>	Un-bee-lievable simulations that will have your students buzzing 🐝 <b>Shalese Stroup</b>	Full STEAM Ahead <b>Lynne Jones</b>	Using Algebra Tiles, from Multiplying Polynomials to Factoring and Completing the Square <b>Laura Bain</b>	All Aboard the SD Elementary Teacher STEM Initiative <b>Sharon Vestal, Hannah Caffee</b>	Food Totally Transfers <b>Craig Rebich, Whitney Blindert</b>	Predictions and Populations: starter kit for understanding Artificial Intelligence <b>Benjamin Benson, Louisa Otto</b>	Putting robots to good use-- a guided workshop to increase the educational impact of YOUR robot technology in STEM education <b>John Williams</b>	iLEARN Partners at Rosebud <b>Larry Browning, Madhav Nepal</b>	Developing Student Thinking <b>Joy Lundgren, Ann Anderson, Michelle Wysuph, Lynn Arnold</b>	MacroBlitz - Part 2 <b>Anne Lewis</b>	1:40 - 2:30 PM
2:40 - 3:30 PM			OPEN	STEM in Secondary Grades? There's a Gizmo for that! <b>Shalese Stroup</b>	Health and Safety in the Classroom <b>Lisa Weier</b>	STEM Exploration, Kits for Your Classroom! <b>Raegan Kleinpeter</b>	Create an Environment to Support Independent Learners <b>Laura Bain</b>	OPEN	Matt and Larry - the Errors Tour <b>Larry Browning, Matt Miller</b>	An Opportunity for Phenomena <b>Nicol Reiner</b>	Modeling in science-- using student-generated models to make thinking visible and track changes in understanding <b>John Williams</b>	Pole of Inaccessibility: Bringing Ocean Science to North America's Great Interior <b>Spencer Cody</b>	Science is human! <b>Emily Berry</b>	OPEN	2:40 - 3:30 PM
3:30 - 4:15 PM						Science wrap-up	Math wrap-up					SHARE the CLASSROOM Treasures can be found down this hallway. Check it out now as these become trash at 2:40.			3:30 - 4:15 PM
4:30 - 6:30			Conference Leadership meeting						Next Year's Conference will be	February 6, 7, & 8, 2025					
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