


2025 SD STEM Ed Conference													February 6, 7, & 8, 2025			Saturday Schedule at a Glance			Sparking Curiosity, Fueling Motivation. 🔥				
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										
7:00 AM	7:00 AM - 3:30 PM	Visit Exhibitors	Rise & Shine with SURF Ashley Armstrong, Julie Dahl, Chad Ronish, Nicol Reiner		Breakfast for SD PAEMST State Level Finalists and Past Awardees Allen Hogle, Ann Anderson									7:00 AM									
8:00 - 8:50 AM	Registration	8:00 AM till 3:00 PM	South Dakota's First Educational SynDaver Kristen Gonsoir, Brittany Hubbard	Drop It Like It's Hot: A Thinking Task on Temperature April Strom	Growing Beyond Earth: Microgravity and plants Bree Oatman	Bring your students the universe! Kristine Heinen {Exhibitor}	Why Do I Need To Know This? Connecting CTE to the NGSS Tracy Andersen, Keith Andersen	Selecting Meaningful Phenomena Alyssa Weisenstein	Promoting Science Appreciation and a \$15,000 High School Scholarship Bertha Vazquez, Alison Bowers	da Vinci Bridges Larry Browning	STEM Flight -- "Up - Up - and AWAY!" Nicole Mehlhaff	Squid on the Street: Using Art to Communicate science Sarah McAnulty	Gizmos in the Greenhouse: Photosynthesis Unleashed 🐙 Shalese Stroup {Exhibitor}	8:00 - 8:50 AM									
9:00 - 9:50 AM			Underground Environmental Data Visualization Steve Gabriel	Transforming Textbook-y Tasks into Thinking Tasks April Strom	*** Mini Session *** Talk to the Family and Get Them Involved Susan Gilkerson & Teacher Expeditions: Adventures in Antarctica Bree Oatman	Magnets on the Move: Elementary Engineering John Williams	Culturally Respectful Teaching Practices in Math and Science Stephanie Higdon, Mary Mitchell	Writing 3-Dimensional Assessments That Are Easy to Grade Alyssa Weisenstein	Evolution for Middle School Educators Bertha Vazquez, Allison Bowers	Reactions – How We Respond Larry Browning, Paul Markel, Brady Phelps	STEM Boats - Whatever Floats Your Boat! Nicole Mehlhaff	Bring Scientists into Your Classroom Virtually! Sarah McAnulty	Rain or Shine: Cleaner Skies with Gizmos STEM Cases 🌧️☀️ Shalese Stroup {Exhibitor}	9:00 - 9:50 AM									
10:00 - 10:50 AM			{ Lunch Set-up }			Realizing the Promise of Integrative STEM Activities: Exploring 3 Active Learning Examples for K-8 Students John Williams	Elastic Thinking: What is it and What Should Students Know about it? Benjamin Benson, Louisa Otto {Exhibitor}	Indi in the Classroom Julie Bruckner	Don't Believe Everything You Believe Bertha Vazquez, Allison Bowers	Squirrel Sabotage Nathaniel Raak	Meet the Future Teachers Sharon Vestal, Dan Van Peursem, and Matt Miller	Engaging Assessments and Standards-Based Grading Strategies Jeff Peterson	Ecosystem Explorers: Unraveling Food Chains and Pyramids with Gizmos! 🌿🔍 Shalese Stroup {Exhibitor}	10:00 - 10:50 AM									
10:50 AM	Networking & Exhibitors		Hosted by SDCTM & SDSTA											10:50 AM									
Lunch			{ Lunch tear down & room Set-up }											Lunch									
12:40 - 1:30 PM						Science Olympiad for the Classroom – Taking Inspiration from Competition Events to Develop Engaging Inquiry and Engineering Lesson Plans. John Williams	Exploring Antibody Applications Louisa Otto {Exhibitor}	Making Tests Meaningful Kelly Coates	Jerome J Lohr College of Engineering Student Opportunities Dr. Sanjeev Kumar, Dean, Dr. Suzette Burckhard, Asst Dean of Academics {Exhibitor}	Hands-on Learning with Hot Wheels Julie Bruckner	Facilitating Visualization and 3D Printing of Biomolecule Models with Free Online Resources Andrew Sathoff	South Dakota Honey Production Education and Curriculum Development Program Spencer Cody	Energizing Classrooms: Hands-on Models for Teaching Wind and Solar Power Tasha Pravecek {Exhibitor}	12:40 - 1:30 PM									
1:40 - 2:30 PM	7:00 AM - 3:30 PM Registration		OPEN	Bringing the Science Story to Elementary Tiffany Kroeger, Rebecca Dorr	Building Mathematical Confidence Howie Hua	"Is This Real? I Saw it On...": Tackling Science Media Literacy with the Nature of Science in Society (NOSIS) Framework John Williams	Exploring Life's Continuum: From Molecules to Organisms Benjamin Benson, Joe Salvati, Carrie Olson {Exhibitor}	Level Up Learning: Empowering Students as AI-Enhanced Game-Based Learning Designers Brady Licht	Project WET: What's New! Anne Lewis {Exhibitor}	Dissection 101: Sheep Brain Steven Rokusek	Belonging in the Classroom Ally Bowers	*** Mini Session *** Coaching Science Olympiad Nicole Mehlhaff March Madness Science Sandra Shipley Pear Deck Sheila McQuade	South Dakota Wind and Solar Competition! Tasha Pravecek {Exhibitor}	1:40 - 2:30 PM									
2:40 - 3:30 PM			OPEN	OPEN	My Favorite Math Tricks Howie Hua	OPEN	One Last (?) Time Larry Browning, Matt Miller	OPEN	Clearing the Fog: Addressing Alternative Science Conceptions in the K-12 Classroom Allison Esparza	OPEN	OPEN	OPEN	OPEN	2:40 - 3:30 PM									
3:35 - 4:10 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.		3:35 - 4:10 PM									
4:30-6:30			Conference Leadership meeting			Next Year's Conference will be February 5, 6, & 7, 2026																	
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