

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