


| 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 Romish, 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 McNulty | 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 NSTA and You Beverly DeVore-Wedding | 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 McNulty | 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 Peurse, 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 | | | | | | | | | | | | | 10:50 AM | | | | | | | |
| Lunch | | | Hosted by SDCTM & SDSTA | | | | | | | | | | | Lunch | | | | | | | | |
| 12:40 - 1:30 PM | 7:00 AM - 3:30 PM Registration | | { Lunch tear down & room Set-up } | | | 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 | | 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 | 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. | | | | | | | | | | |
| 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 | Jan 9 | | | | | | | | |