

# 2023 SD STEM Ed Conference

# February 2, 3, 4, 2023

Friday, February 3

Schedule At A Glance

Room	8:00	8:30-9:20	9:30-10:20	10:30-11:20	11:20	11:50-12:50	12:50	1:10-2:00	2:10-3:00	3:00	3:30-4:20	4:30-5:30	5:30	6:30 PM -		
Lobby	Registration 7:00 AM - 4:20 PM						Registration 7:00 AM - 4:20 PM									
Exhibit Hall	Visit Exhibitors 8:00 AM - 5:00 PM						Visit Exhibitors 8:00 AM - 5:00 PM									
<b>Prairie A</b>	Opening Session	The Value of Vertical Alignment Stephanie Higdon, Ashley Armstrong	Fourth Industrial Revolution Workforce: Are We Ready? Stephen Pruitt	{Lunch SETUP}	LUNCH ----- Hosted by Presidents of SDSTA & SDCTM			Global Education in the Science Classroom Kristen Gonsoir	Tropical Research Immersion, Bioinformatics, and Antibiotic Bioprospecting Beth Hunt, Dr. Michael Amolins	Networking and Exhibitors	Teaching Problem Solving to ALL Students Susan Arnette	SOCIAL		Awards Banquet and Keynote Speaker  - Pruitt -  Battling Ignorance: 4 Words That Can Change the World  My Students Need Me		
<b>Prairie B</b>								ChatGPT and AI Chatbots: Navigating the Opportunities and Challenges of this Game-Changing Technology Nicloe Uhre-Balk	TENGs in Eggs Larry Browning, Steve Wignall {Zoom}		Building Safe Solar Viewers Larry Browning					
<b>Prairie C</b>								What is Broadband? An Introduction into the World of Fiber Optics. Michael Benjamin	SD HOSA-Future Health Professionals; Helping Kids Explore Careers and Skills Related to Health Occupations Benjamin Benson, Brock Rops		Storylines: What Are They? Where to Find Them? and Are They Right for Me? Tiffany Kroeger					
<b>Dakota A</b>		Light Up the Night! Marie Steckelberg	SD - AAPT Business Meeting & Photo Contest James Stearns, Larry Browning, Darwin Daugaard	Networking, Exhibitors & Poster Session			Networking, Exhibitors & Poster Session	Empowering the Next Generation of Foodies Through the Science of Food Dr. Clifford Hall & Cheyenne Edmundson	Bringing Elementary Math to Life Using Drawing Board and Tools Maren Ehley	{OPEN}	SDCTM Business Meeting					
<b>Dakota B</b>	Superpower to Success: How to Unlock Your Leadership Potential Adam Mendler {Zoom}	Encouraging Thinking Beyond One Deann Kertzman	STEM Activities for People and the Planet Lynda Venhuizen					Promoting Productive Discourse Sharon Rendon	Building Thinking Classrooms Sharon Rendon							
<b>Dakota C</b>	Formative Assessments That Work Julie Dahl	SREB's Powerful Science Instructional Practices are Phenomenal Stephen Pruitt	SREB's Powerful Science Instructional Practices are Phenomenal Stephen Pruitt					Robotics for K-12 Teachers Astrid Northrup, PhD	Wind Power: A New Era of Energy Astrid Northrup, PhD							
<b>Dakota D</b>	{Setup Tear Down}	The Sanford Underground Research Facility: Place-Based STEM Identity in Practice Deb Wolf	{Setup Tear Down}					{Setup Tear Down}	{Setup Tear Down}							
<b>Dakota E</b>	Elementary Book on Math Robert Stack	Who Wants to be a Mathematician Robert Stack	The Math Playground Kevin Smith					Gizmos - Unleash The "Power of Doing" Toni Milleret	South Dakota Science Assessment - Summative, Interim, and Formative Tools Christina Booth	SDSTA Business Meeting						
<b>Dakota F</b>	The Struggle is Real! Erica Boomsma	Mission Mosquito Larvae Hunters Guide Cassie Soeffing	Making Middle School Math Come Alive with Manipulatives, Games and Activities Laura Bain					Using Algebra Tiles to Build Conceptual Understanding of Expressions and Equations Laura Bain	Engaging Students Through Invention Education/STEM Learning Strategies Across All Content Areas Kristin Thorsen & Hannah Hall							
<b>Dakota G</b>	Tutoring Adding And Subtracting Without Worksheets Maren Ehley	4 MINI Sessions in 1 (all related to STEM) Dressler, Hutshinson, Decker, DeJung	University and College Instructors: Engage Your Students with NSTA! Flavio Mendez {Zoom}					{OPEN}	Citizen Science, Cell Phone Colorimetry and Chemistry of Milkweed Bree Oatman							
<b>Dakota H</b>																
<b>Symposium</b>		Ret-Poster Session Darwin Daugaard	Focused Observation in Math & Science Classrooms Nicol Reiner	NSU E-Learning: Meeting STEM Needs in South Dakota Ally Bowers, Mary Cundy	Demonstrations and Particulate Diagramming - Can We Increase Student Conceptual Understanding by Doing Both? Matt Miller, Carter Koons	Title: SD Science Olympiad Lauren Kress										
<b>Salon 1</b>			STEAM: Materials, Metal Clay, and More! {Limited to 20} Donovan & Mitchell	{Set up - Tear Dow												
<b>Salon 2</b>	Share the Classroom Treasures { Free Supplies from other Classrooms/Labs }												Help yourself as after 2:40PM on Saturday, these Treasures turn to trash!!!			