

# WSST Conference 2025

- A Aerospace Education  
 B Biology/Life Science  
 T Chemistry  
 D District and school systems that support Elementary Science.  
 V Diversity/Equity  
 E Earth Science  
L Elementary  
1 Engineering  
2 Environmental  
F Fieldtrip  
G General  
H High Ed  
K K-12  
M Middle School  
P Pedagogy/Teaching Strategies  
7 Physics  
S Social

## APRIL 4 • FRIDAY

7:00am – 3:00pm	G	<b>Registration</b>	Registration Desk
8:00am – 8:50am	B	<b>Cultivating Future Scientists: A Growing Beyond Earth Classroom Experience</b> <i>Speakers: Kathy Biernat</i>	Hutchinson
8:00am – 8:50am	B	<b>Who's Baby Luna's Father? Using DNA Fingerprinting to Solve a Mystery</b> <i>Speakers: Erika Fong, Molly Wallace</i> <i>Sponsors: MiniOne Systems</i>	Anna M
8:00am – 8:50am	T	<b>Quantum Physics activities for Chemistry</b> <i>Speakers: Jamie Lauer</i>	Herietta
8:00am – 8:50am	E	<b>Unearthing Fossil Discoveries: Engaging Students with Interactive Science Notebooking and a Fossil Museum Project</b> <i>Speakers: Sarah Ludwig</i>	Dixie
8:00am – 8:50am	L	<b>3D Science Education for a Sustainable World</b> <i>Speakers: Stephanie Ruder</i>	Thistle
8:00am – 8:50am	P	<b>Science That Speaks to Everyone: Practical Support for Multilingual Classrooms</b> <i>Speakers: Shane Cullian, Chelsea Miller</i>	Lake Poygan
8:00am – 9:50am	B	<b>Workshop: Evolution for Middle School Educators</b> <i>Speakers: Kathy Van Hoeck</i> <i>Sponsors: The Teacher Institute for Evolutionary Science</i>	Evelyn
8:00am – 9:50am	B	<b>Workshop: Integrating Engineering, Electronics, and Coding into Your Science Labs</b> <i>Speakers: Isabel Mendiola, Peter Haydock</i> <i>Sponsors: Gearbox Labs</i>	BF Carter
8:00am – 9:50am	L	<b>Workshop: Making the Most of Mystery Science</b> <i>Speakers: Dave Bergerson</i> <i>Sponsors: Wisconsin Rapids Public Schools</i>	John Lynch
8:00am – 9:50am	2	<b>Workshop: Cultivating a Sustainable Future: A Multifaceted Approach to Agriculture</b> <i>Speakers: Kelly Kramer</i> <i>Sponsors: Nourish the Future/Wausau School District</i>	Lefevre
8:00am – 11:00am	F	<b>FT9: Breakfast on the Farm</b>	Main Atrium
9:00am – 9:50am	B	<b>The Genetics of Sickle Cell Detection and Therapy</b> <i>Speakers: Erika Fong</i> <i>Sponsors: MiniOne Systems</i>	Anna M
9:00am – 9:50am	B	<b>Workshop: Hands-on genetics labs for middle school learners and general bio</b> <i>Speakers: Kristin Hennessy-McDonald</i> <i>Sponsors: miniPCR bio</i>	Dixie
9:00am – 9:50am	B	<b>People and the Biosphere: Hands-on Activities for Environmental Science</b> <i>Speakers: Stephanie Ruder</i>	Hutchinson
9:00am – 9:50am	G	<b>Teaching Challenged Topics in Science</b> <i>Speakers: Kevin Anderson</i>	Thistle
9:00am – 9:50am	H	<b>Science Intern</b> <i>Speakers: Jamie Lauer</i>	Herietta
9:00am – 9:50am	P	<b>Multidimensional Assessment for English Learners and Developing Readers</b> <i>Speakers: Linda Malkin, Sara Krauskopf, Laura Wright</i>	Lake Poygan
9:00am – 11:45am	F	<b>FT11: EAA Museum Tour &amp; Wittmann Airport Control Tower Tour</b>	Main Atrium
9:45am – 11:45am	F	<b>FT10: UWO - ERIC Lab</b>	Main Atrium
10:00am – 10:50am	B	<b>Workshop: Sickle Cell Genetics: Using gel electrophoresis to investigate inheritance</b> <i>Speakers: Kristin Hennessy-McDonald</i> <i>Sponsors: miniPCR bio</i>	Dixie
10:00am – 10:50am	L	<b>The Power of Integrating Literacy and Science</b> <i>Speakers: Cassandra Kauppi, Chrissy Fischer</i> <i>Sponsors: Amplify</i>	Herietta
10:00am – 10:50am	G	<b>Workshop: Don't Believe Everything You Believe</b> <i>Speakers: Kathy Van Hoeck</i> <i>Sponsors: Generation Skeptics</i>	Evelyn
10:00am – 10:50am	G	<b>Makerspace Connections in Science</b> <i>Speakers: Dennis Rockhill, Chad Janowski, Lisa Olson, Joy Louthain</i>	Hutchinson

10:00am – 10:50am	G	<b>Teaching with Storylines in Science</b> <i>Speakers: Kristin Michalski, Kevin Anderson, Sarah Ludwig</i>	Thistle
10:00am – 10:50am	P	<b>Realistic Options for Adapting Existing Storylines</b> <i>Speakers: Sara Krauskopf</i>	Lake Poygan
10:00am – 11:50am	B	<b>Workshop: Hands-On Environmental Spectroscopy with NASA's STELLA Q2</b> <i>Speakers: Craig Kohn</i> <i>Sponsors: Waterford Union High School</i>	John Lynch
10:00am – 11:50am	B	<b>Workshop: "Green" Careers Education and Science Class: A Mutually Beneficial Connection</b> <i>Speakers: Nicole Filizetti</i> <i>Sponsors: LEAF K-12 Forestry Education Program / Wisconsin Center for Environmental Education</i>	BF Carter
10:00am – 11:50am	H	<b>Workshop: The Science Of Climate Change: Exploring Changing Wildfire Patterns with HHMI Biointeractive Resources</b> <i>Speakers: Amy Fassler</i> <i>Sponsors: HHMI</i>	Anna M
10:00am – 11:50am	7	<b>Workshop: Modeling Instruction in High School Science</b> <i>Speakers: Scott Hertting</i> <i>Sponsors: Neenah High School</i>	Lefevre
11:00am – 11:50am	B	<b>Workshop: Exploring Mendelian Inheritance with Labradoodle Genetics</b> <i>Speakers: Kristin Hennessy-McDonald</i> <i>Sponsors: miniPCR bio</i>	Dixie
11:00am – 11:50am	L	<b>Literacy and Science - ACT 20 and beyond; Why do we need dedicated time for science?</b> <i>Speakers: Kevin Anderson, Ryan King, Erica Yoss, Meridith Falkavage, Sarah Blechacz</i>	Thistle
11:00am – 11:50am	G	<b>Science Library: Another Look at Literacy</b> <i>Speakers: Missi Schall</i>	Herietta
11:00am – 11:50am	H	<b>I'm Board</b> <i>Speakers: Jared Schroeder</i>	Hutchinson
11:00am – 11:50am	H	<b>Workshop: Context for Your Content – Civil Engineering Technology</b> <i>Speakers: Randall Way, Richard Schneider</i> <i>Sponsors: Madison College</i>	Evelyn
11:00am – 11:50am	P	<b>Wisconsin Institute of Next Generation Science (WINGS): Recharging your Passion and Pedagogy</b> <i>Speakers: Dennis Rohr, Jamie Groark, Chad Janowski</i>	Lake Poygan
12:00pm – 1:00pm	G	<b>Ed Mueller Luncheon</b>	
12:00pm – 1:00pm	P	<b>Lunch Keynote: Jesse Wilcox, Ph.D</b> <i>Speakers: Jesse Wilcox</i>	
1:00pm – 2:00pm	G	<b>Exploratorium</b> <i>Speakers: Ray Scolavino</i>	Riverside Atrium
1:15pm – 3:45pm	F	<b>FT12: EAA Museum Tour &amp; Redbird Flight Sims</b>	Main Atrium
1:15pm – 3:45pm	F	<b>FT13: EAA Museum - RC Build &amp; Fly</b>	
2:00pm – 2:50pm		<b>AP Biology Collaborative Discussion: Building Confidence in AP Biology</b> <i>Speakers: Kathleen Abraham</i>	Lake Poygan
2:00pm – 2:50pm	L	<b>Swallows, Swifts, &amp; 2nd Graders</b> <i>Speakers: Greg Bisbee, Ann Mass</i>	Herietta
2:00pm – 2:50pm	L	<b>Elementary Leadership Problems of Practice</b> <i>Speakers: Dave Bergerson, Kevin Anderson, Ryan King</i>	Thistle
2:00pm – 2:50pm	G	<b>The Land of Fire and Ice Meets the Land of Opportunity: A Scientific Exchange</b> <i>Speakers: Sherri Woelffer, Val Nickels</i>	Hutchinson
2:00pm – 2:50pm	G	<b>Workshop: Science Education Tech Slam</b> <i>Speakers: Sarah Klingbile</i> <i>Sponsors: Seymour Community High School</i>	BF Carter
2:00pm – 2:50pm	G	<b>Workshop: Become a Building Energy Detective!</b> <i>Speakers: Wendy Stelzer</i> <i>Sponsors: Wisconsin's K-12 Energy Education Program - KEEP</i>	Evelyn
2:00pm – 3:50pm	B	<b>Workshop: Buzzing with Knowledge: Bringing Insect Education to Your Classroom</b> <i>Speakers: Emilie Parkanzky, Anupreksha Jain</i> <i>Sponsors: UW-Madison Insect Ambassadors</i>	Lefevre
2:00pm – 3:50pm	G	<b>Workshop: A Hands on approach to effectively teaching anatomy using clay on a skeletal model</b> <i>Speakers: John-Paul Theriault, Dana Straw</i> <i>Sponsors: Anatomy in Clay Learning Systems</i>	Dixie
2:00pm – 3:50pm	G	<b>Workshop: Cross-Cutting Concepts: A Sensemaking Tool</b> <i>Speakers: Elizabeth Mayenschein, Kim Lemberger, Chad Janowski</i> <i>Sponsors: Einstein Project</i>	John Lynch
2:00pm – 3:50pm	G	<b>Workshop: Engineering Tomorrow: Designing Solutions for Today</b> <i>Speakers: Kathy Biernat, Ann Viegut, Liz Kysely</i> <i>Sponsors: LLC, Zanilu Educational Services</i>	Anna M

2:45pm – 4:15pm	F	<b>FT14: Fifth Ward Brewing</b>	Main Atrium
2:45pm – 4:15pm	F	<b>FT15: Sturgeon Spirits</b>	Main Atrium
3:00pm – 3:50pm		<b>Equity Roundtable: How do you support equity and access in your school and classroom, even when your district might call it something else?</b> <i>Speakers: Kevin Anderson, Kelly Steiner</i>	Mezzanine
3:00pm – 3:50pm		<b>Unlocking Protein Dynamics: Understanding Folding and Active sites</b> <i>Speakers: Mark Arnholt</i>	Thistle
3:00pm – 3:50pm	B	<b>Science Storylining</b> <i>Speakers: Kimberly Garlie Sukkert</i>	Hutchinson
3:00pm – 3:50pm	L	<b>Workshop: Bright Lights, Bright Minds! Exploring Energy Phenomena in Elementary Classrooms</b> <i>Speakers: Laureanna Raymond-Duvernell</i> <i>Sponsors: KEEP - Wisconsin's K-12 Energy Education Program</i>	BF Carter
3:00pm – 3:50pm	L	<b>Workshop: Growing Connections: Agriculture Pen Pal &amp; Exchange Box Program</b> <i>Speakers: Travis Sprague</i> <i>Sponsors: Wisconsin Agriculture in the Classroom</i>	Evelyn
3:00pm – 3:50pm	L	<b>How to BE an Aerospace Education Member and get Free Stem kits, Lessons, and Flight</b> <i>Speakers: Michael A. Bero</i>	Lake Poygan
3:00pm – 3:50pm	L	<b>Building Student Capacity to Discuss Science</b> <i>Speakers: Leah Aubert, Lisa Pitot, Melissa Wimpler</i>	Herietta
4:00pm – 5:00pm	G	<b>WSST Town Hall Meeting</b> <i>Speakers: Dennis Rohr</i>	
5:30pm – 6:30pm	S	<b>Social: WSST Pre-banquet Social Hour</b>	
6:30pm – 8:30pm	S	<b>Social: Milton Pella Banquet</b>	Antheam Ballroom
8:30pm – 10:00pm	S	<b>Social: WSST Post-banquet Social at EAA</b>	EAA (3000 Poberezny Rd, Oshkosh, WI 54902)