

WSST Conference 2025

- Y** Any level of Physics and basic Chemistry
B Biology/Life Science
T Chemistry
V Diversity/Equity
E Earth Science
L Elementary
O elementary -high school
U Energy Savings and Sustainability
1 Engineering
2 Environmental
F Fieldtrip
3 Freshwater Science
G General
5 Grading
H High Ed
1 K-12 Climate Change Education
P Pedagogy/Teaching Strategies
6 Physical Science
7 Physics
S Social
8 social studies and more.
9 STEM
 — Workshop

APRIL 3 • THURSDAY

7:00am – 3:00pm	G Registration	Registration Desk
8:00am – 8:50am	B Modeling DNA in the science classroom <i>Speakers: Stephanie Ruder</i> <i>Sponsors: 3D Molecular Designs</i>	Dixie
8:00am – 8:50am	T Using The Physics Classroom <i>Speakers: Greg Franzen, Trevor Fayas</i>	Lake Poygan
8:00am – 8:50am	L Phenomena-Based Learning in 30 Minutes or Less <i>Speakers: Madison Evans</i>	Herietta
8:00am – 8:50am	G Workshop: Engaging Students in the Science and Engineering of Food - IL Ag Ed Apples Storyline <i>Speakers: Kathy Van Hoeck, Chris Embry Mohr, Shane Cullian</i> <i>Sponsors: Illinois Agriculture Education - Agricultural Biology Leadership Team</i>	BF Carter
8:00am – 8:50am	G Building a Science Classroom Culture to Support Student Engagement <i>Speakers: Elizabeth Mayenschein, Kim Lemberger, Chad Janowski</i>	Thistle
8:00am – 8:50am	G The OpenSciEd Instructional Model: Routines for Advancing Students Through a Storyline <i>Speakers: Brian Klaf</i> <i>Sponsors: Activate Learning</i>	Hutchinson
8:00am – 9:50am	G Workshop: Simplify NGSS: Adaptable Curriculum to Save Time and Boost Student Success <i>Speakers: Craig Kohn</i> <i>Sponsors: Waterford Union High School</i>	Lefevre
8:00am – 9:50am	Workshop: Media for a Changing Climate: Behind the Scenes of PBS Wisconsin Education's New Climate Collection <i>Speakers: Mia Forslund</i> <i>Sponsors: PBS Wisconsin Education</i>	Evelyn
8:00am – 9:50am	Workshop: Threats to Biodiversity~ Designing Solutions Using HHMI Biointeractive Resources <i>Speakers: Dawn Norton, Amy Fassler</i> <i>Sponsors: School District of Marshfield</i>	Anna M
8:00am – 9:50am	Workshop: Wisconsin High School Earth Science Storylines <i>Speakers: Dennis Rohr, Jon Baker</i> <i>Sponsors: Seymour Community High School</i>	John Lynch
9:00am – 9:50am	B Engaging Students with Land and Soil Data through Hands-On Lessons and 3D Assessments <i>Speakers: Megan Sprague</i>	Dixie
9:00am – 9:50am	L Standards Based Grading with NGSS	Herietta
9:00am – 9:50am	G Newcomers Meeting <i>Speakers: Ray Scolavino, Megan Sprague</i>	Lake Poygan
9:00am – 9:50am	G Workshop: Making Sense of Milk: Unpacking a 3-dimensional Agriculture Biology Storyline on Dairy <i>Speakers: Kathy Van Hoeck, Chris Embry Mohr, Shane Cullian</i> <i>Sponsors: Illinois Agriculture Education - Agricultural Biology Leadership Team</i>	BF Carter
9:00am – 9:50am	G Making Student Thinking Visible through Notebooking <i>Speakers: Kim Lemberger</i>	Thistle
9:00am – 9:50am	G Reach New Heights with Activate Learning's Interactive Digital Edition of OpenSciEd <i>Speakers: Brian Klaf</i> <i>Sponsors: Activate Learning</i>	Hutchinson
9:00am – 11:30am	F FT2: Alliant Energy Wind Turbine, Solar Farm	Main Atrium
9:00am – 11:30am	F FT3: EAA Museum Tour & Elementary Activity	Main Atrium
9:00am – 11:45am	F FT1: EAA Museum Tour & Wittmann Airport Control Tower Tour	Main Atrium
10:00am – 10:50am	B Exploring Phospholipids and Membrane Transport <i>Speakers: Mark Arnholt</i>	BF Carter
10:00am – 10:50am	B The Wauwatosa Biology Story - The power of strong vision, curriculum, coaching, and teamwork <i>Speakers: Sarah Blechacz, Rachel Duellman</i>	Dixie
10:00am – 10:50am	L Forest History Didn't Start in 1850: A Fresh Look at How Forests Built Our State <i>Speakers: Nicole Filizetti</i>	Herietta

10:00am – 10:50am	1	Workshop: Leading Through STEAM: Empowering Middle School Mentors with NGSS and the Engineering Design Process <i>Speakers: Beth Schaefer, Mary Cooper</i> <i>Sponsors: Wisconsin Agriculture in the Classroom</i>	John Lynch
10:00am – 10:50am	G	Retirees Meeting <i>Speakers: Kristin Michalski, Karyl Rosenberg</i>	Lake Poygan
10:00am – 10:50am	G	It's a Bird, It's a Plane, It's a Cloud! <i>Speakers: Tony DeGrand</i>	Thistle
10:00am – 10:50am	P	Collaborating for Success: Navigating the Good, the Bad, and the Ugly of OpenSciEd <i>Speakers: Michelle Howe</i>	Hutchinson
10:00am – 11:50am	B	Workshop: The Fungus Among Us! Investigating Valley Fever Using MiniOne Gel Electrophoresis to Detect Fungal Hotspots. <i>Speakers: Amy Fassler</i> <i>Sponsors: MiniOne</i>	Anna M
10:00am – 11:50am	V	Workshop: Cast a Line for Science & Civics <i>Speakers: Theresa Stabo</i> <i>Sponsors: WI Department of Natural Resources</i>	Evelyn
10:00am – 11:50am	H	Workshop: Using the IL Biology Storylines for Coherent Instruction - Melanin Updates <i>Speakers: Kathy Van Hoeck, Kristin Rademaker, Shane Cullian</i> <i>Sponsors: All Species Education Consulting</i>	Lefevre
11:00am – 11:50am	B	Anatomy and Physiology Teachers Roundtable <i>Speakers: Sonja Gasper</i>	Mezzanine
11:00am – 11:50am	L	Explore Free Elementary Resources from the Food + Farm Exploration Center <i>Speakers: Jenn Scott</i>	Herietta
11:00am – 11:50am	G	Fermenters of WSST Unite <i>Speakers: Ray Scolavino</i>	Lake Poygan
11:00am – 11:50am	G	Workshop: From Farm to Form: Creating and Comparing Bioplastics from Everyday Resources <i>Speakers: Kathy Biernat, Beth Schaefer</i> <i>Sponsors: Wisconsin Agriculture in the Classroom</i>	John Lynch
11:00am – 11:50am	G	Fueling Curiosity and Engagement: Building a Dynamic Driving Question Board <i>Speakers: Stacey</i>	Hutchinson
11:00am – 11:50am	G	Lab Safety in the K-8 Classroom <i>Speakers: Amy Baranowski, Kristin Kyde</i>	Thistle
11:00am – 11:50am	P	Science and Literacy Integration: The Science Classroom Meets the Science of Reading. <i>Speakers: Caryn Walker</i>	Dixie
1:00pm – 1:50pm	B	Monitoring Aquatic Invasive Species Using Environmental DNA (eDNA) <i>Speakers: Amy Workman, Joanna Skluzacek</i>	Thistle
1:00pm – 1:50pm	E	Workshop: Forest Measurement: Tools You Can Use <i>Speakers: Steve Schmidt</i> <i>Sponsors: LEAF/ WCEE/UWSP</i>	Evelyn
1:00pm – 1:50pm	L	Bridging Literacy and Science <i>Speakers: Mike Larson</i>	Herietta
1:00pm – 1:50pm	L	Workshop: Empowering Students to Lead: A Green Team Toolkit for Energy Savings <i>Speakers: Nick Gagnon, Heather Feigum, Laura Lane, Heather Phelps</i> <i>Sponsors: Focus on Energy</i>	John Lynch
1:00pm – 1:50pm	2	Collaborative Water Research in the Classroom <i>Speakers: Marissa Jablonski, Liz Sutton, Greg Kleinheinz, Sharon Moen, Lynn Terrien, Heidi L Jeter</i>	Dixie
1:00pm – 1:50pm	G	Enhancing Science Education Through Data Collection: Innovative Approaches with TI Technology <i>Speakers: Michelle Grooms</i>	Lefevre
1:00pm – 1:50pm	G	Skills Based Grading <i>Speakers: Brad Roost, Tanya Monet-Bakken, Rachel Stindt</i>	Hutchinson
1:00pm – 1:50pm	G	Workshop: 3D Learning Unleashed: Integrating Simulations for Captivating Science Experiences <i>Speakers: Cassie Harrelson</i> <i>Sponsors: ExploreLearning</i>	BF Carter
1:00pm – 1:50pm	P	Teaching Climate Change in all subjects using the Wisconsin Climate Change Education Hub <i>Speakers: Dr. Michael Aprill</i>	Lake Poygan
1:00pm – 2:50pm	B	Workshop: What's In the Trunk? An Elephant Conservation Expedition to Identify Poaching Hotspots Using MiniOne Gel Electrophoresis. <i>Speakers: Amy Fassler</i> <i>Sponsors: MiniOne</i>	Anna M
1:00pm – 3:45pm	F	FT5: EAA Museum Tour & Redbird Flight Sims	Main Atrium
1:00pm – 3:45pm	F	FT7: Fifth Ward Brewing	Main Atrium
1:00pm – 3:45pm	F	FT8: EAA Museum Tour & Middle School Activity	Main Atrium
1:30pm – 3:30pm	F	FT4: Willow Creek Cheese Factory and Pine River Winery	Main Atrium
1:45pm – 4:15pm	F	FT6: UWO - Engineering Lab	Main Atrium

2:00pm – 2:50pm		Culturally Relevant Pedagogy: Indigenizing your instruction <i>Speakers: Bev DeVore-Wedding</i>	Lake Poygan
2:00pm – 2:50pm	B	Managing a Flipped Classroom <i>Speakers: Stacy Stoecklein</i>	Thistle
2:00pm – 2:50pm	L	Workshop: Ignite Curiosity and Cultivate Tomorrow's Scientists <i>Speakers: Cassie Harrelson</i> <i>Sponsors: ExploreLearning</i>	BF Carter
2:00pm – 2:50pm	L	Books to Builds: STEM Activities to Compliment Your Favorite Read-Alouds <i>Speakers: Terra Tarango</i>	Herietta
2:00pm – 2:50pm	1	Designing a Digital Mood Ring: Exploring Science Concepts with Coding <i>Speakers: Michelle Grooms</i>	Lefevre
2:00pm – 2:50pm	G	Navigating OpenSciEd Implementation <i>Speakers: Jake Ebner, Anna Roherty, Valerie Pumala</i>	Dixie
2:00pm – 2:50pm	G	Workshop: Rural Schools Talk Science <i>Speakers: Nick Wall, Julie Lundeen</i> <i>Sponsors: Cashton High School</i>	John Lynch
2:00pm – 2:50pm	H	Workshop: Exploring OpenSciEd HS from Carolina Biological (9-12) <i>Speakers: Bob Friedel, Rick Brost</i> <i>Sponsors: Carolina Biological</i>	Evelyn
2:00pm – 2:50pm	P	Learning for Justice <i>Speakers: Claire Bernatz</i>	Hutchinson
2:00pm – 2:50pm	7	Physics Roundtable <i>Speakers: Terry Schwaller</i>	Mezzanine
3:00pm – 3:50pm	B	Determine the Genetics of a CA\$H-Cow - Connect Genetics Real-World Dairy Phenomenon <i>Speakers: Stacey Strandberg, Sonja Gasper</i> <i>Sponsors: MiniOne Systems</i>	Anna M
3:00pm – 3:50pm	B	The Mighty Oak (is no joke) <i>Speakers: Karen Mesmer, Colleen Matula</i>	Dixie
3:00pm – 3:50pm	L	Workshop: Bring Wisconsin Wildlife Into Your Classroom <i>Speakers: Mackenzie McBride, Liv Gripko</i> <i>Sponsors: Snapshot Wisconsin-Wisconsin DNR</i>	BF Carter
3:00pm – 3:50pm	1	Quantum Information Science and Engineering in High School <i>Speakers: Todd Zimmerman</i>	Herietta
3:00pm – 3:50pm	G	Workshop: New Teacher Network <i>Speakers: Stephanie Ruder, Megan Sprague</i> <i>Sponsors: New Teacher Network/ Onalaska High School</i>	Mezzanine
3:00pm – 3:50pm	G	Workshop: Stress Free Differentiation - Utilizing AI for planning and teaching <i>Speakers: Mary Caucutt</i> <i>Sponsors: Templeton Middle School</i>	Evelyn
3:00pm – 3:50pm	H	Using Case Studies to Teach Human Body Systems <i>Speakers: Joy Mayer</i>	Lefevre
3:00pm – 3:50pm	H	Using Graphs to Read Real Weather Data <i>Speakers: Erik Duhn, Nathan Falkinham</i>	Lake Poygan
3:00pm – 3:50pm	P	Universal Design in Science <i>Speakers: Claire Bernatz</i>	Hutchinson
3:00pm – 3:50pm	P	Making Your Classes More Ambitious! <i>Speakers: Terry Schwaller</i>	Thistle
4:00pm – 6:00pm	G	Rock Raffle <i>Speakers: Shannon Previte</i>	John Lynch
4:00pm – 6:00pm	S	Social: Vendor Hall Social	Paul L. And Leander Choate Halls
6:30pm – 8:30pm	S	Social: Membership Social sponsored by the President of WSST	Antheam Ballroom