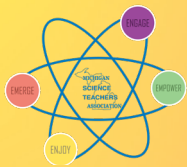


2022 MSTTA Annual Conference

March 4-5, 2022 | Lansing Center & Radisson Hotel Lansing



2022 MSTA Annual Conference

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CONFERENCE OPPORTUNITIES

MESTA ROCK SHOP

Need something to get your students excited about science? Come visit MESTA's fabulous Rock Shop! We have a variety of rocks, minerals, fossils and other oddities that will spark your student's curiosity. These purchases can be used as classroom showpieces and make great gifts. There is something for everybody. All proceeds go towards Earth Science educator scholarships and grants awarded through the Michigan Earth Science Teachers Association. Cash, check, and cards accepted.

Michigan Earth Science Teacher (MESTA) Rock Shop has a variety of Rocks, Minerals, and Fossils to spark student curiosity. Cash, check, and cards accepted. Proceeds fund: Stoney classroom grants, Cranson field scholarships.

MSTA GARAGE SALE

Help support the Michigan Science Teachers Association! Browse our selection of "gently used" science/educational items. Items you need at prices you can afford.

Drop Off Hours

Park in front of the Lansing Center

- Friday, March 4 from 4:30 pm - 6:00 pm
- Saturday, March 5 from 7:00 am - 9:00 am

VISIT THE EXHIBIT HALL

- Saturday, March 5 from 7:00 am - 4:40 pm

Items can be picked up no later than 5:00 pm on Saturday.

MSTA RAFFLE - ENTER TO WIN!

Participants can put their tickets in the raffle item buckets at the MSTA Store in the Exhibit Hall. See specific times and details below.

Raffle - Friday, March 4


Raffle tickets to be submitted between 11:30 am - 4:30pm. Winners will be notified by text message. Prize pick up by 12:00 pm Saturday. **Presence not required to win**

Raffle - Saturday, March 5

Raffle tickets to be submitted between 7:00 am - 3:45 pm. Drawing will happen on Saturday, March 5th at 3:45 pm. **Presence required to win.**



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KEYNOTE HIGHLIGHTS



Brilliance of Children and the Strengths of Educators

Friday, March 4 | 9:00 - 10:00 AM

Presented by: Dr. Betsy Davis and Jeanane Charara

Dr. Betsy Davis and Ms. Jeanane Charara will present an overview of a consensus study conducted by the National Academies of Sciences, Engineering, and Medicine (NASEM) focused on science and engineering in preschool through elementary grades. The report synthesizes the research literature across areas like learning, learning environments, integration of science and engineering with other subjects, curriculum materials, teacher education, professional learning, leadership, systems, and policies. They will also review key conclusions and recommendations of the report.



Integrating Science and Literacy Instruction in Elementary Classrooms

Friday, March 4 | 12:30 - 1:30 PM

Presented by: Dr. Gina Cervetti

Interest in integrated literacy and science instruction has experienced a resurgence over the last decade with the introduction in both domains of new standards that emphasize connections and complementarities. At the same time, different visions of what these connections might look like have competed for attention. This presentation will discuss what we know about effective approaches to integrated science literacy instruction and will offer research-based principles for designing integrated instruction at the elementary level.



NASA Recorded Greeting: Inspiring with Exploration

Saturday, March 5 | 7:45 - 8:00 AM

Presented by: Astronaut Christina Hammock Koch

Hear a special virtual message from NASA, Astronaut Christina Hammock Koch who will talk about Inspiring with Exploration.

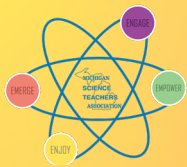


Science Education Towards Just and Thriving Futures

Saturday, March 5 | 8:00 - 9:00 AM

Presented by: Dr. Carrie Tzou

In this session, Carrie will describe the Learning in Places project as a vehicle for discussing the connection between equitable science teaching practices and connecting science teaching and learning with family and cultural knowledges and practices. Participants will see concrete strategies, such as self-documentation and other family tools that can deeply connect classroom knowledge with students' everyday lives.



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AGENDA

MSTA Workshop Key Codes - 8 Strategy Strands:

STEM = Science, Technology, Engineering, and Mathematics | **ES** = Environmental Strand
LS = Literacy Strand Focus | **SS** = Strategy Strand | **EP** = Environmental/Place-based Focus
Elem = Elementary Focus | **MS** = Middle School Focus | **HS** = High School Focus

Friday, March 4, 2022

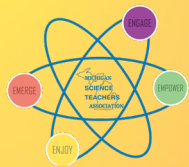
Time	Track	Session	Location
8:00 AM		Registration	Main Concourse
9:00 - 10:00 AM	Keynote	<i>Brilliance of Children and the Strengths of Educators</i> Dr. Betsy Davis and Jeanane Charara	Ballrooms
10:30 AM - 1:30 PM		Exhibitor Setup	Exhibit Hall A
10:30 - 11:30 AM	Panel 1	<i>Prioritizing Science and Engineering in Preschool Through Elementary Grades</i> Sarah Coleman, Andrea Brook, and Will Lepech	Ballrooms
11:30 AM - 12:30 PM		Lunch (on you own) and Exhibitor Visits	
12:30 - 1:30 PM	Keynote	<i>Integrating Science and Literacy Instruction in Elementary Classrooms</i> Dr. Gina Cervetti	Ballrooms
1:30 - 2:00 PM		Networking Break and Exhibitor Visits	Exhibit Hall A
2:00 - 3:00 PM	Panel 2	<i>Supporting Children's Learning, Engagement, and Proficiency in Science and Engineering</i> Dr. TJ Heck, Amber Richmond, Chiara Kirkland and Dr. Cory Miller	Ballrooms
3:00 - 3:30 PM		Networking Break and Exhibitor Visits	Exhibit Hall A
3:30 - 4:30 PM	Panel 3	<i>Supporting Educators - A Playbook, Blueprint, Plan for Building on the Strengths of Educators</i> Dr. Sandy Yarema, Dr. Christina Schwarz, and Nancy Kane	Ballrooms
3:30 - 4:30 PM		<i>RAIL Project: Assessment of the Overall Health of Low Order Streams of Ottawa County</i> Keith Piccard, Winner of MWEA Dan Wolz Clean Water Education Grant	Room 102
4:30 - 5:00 PM		Networking Break and Exhibitor Visits	Exhibit Hall A
6:00 - 8:00 PM		MSTA Awards Dinner and Ceremony	Ballrooms

Saturday, March 5, 2022

Time	Track	Session	Location
7:00 - 8:00 AM		Registration	Main Concourse
7:00 - 7:45 AM		Exhibitor Visits	Exhibit Hall A

Saturday, March 5, 2022 Continued

Time	Track	Session	Location
7:45 - 8:00 AM		NASA Recorded Greeting: Inspiring with Exploration Astronaut Christina Hammock Koch	Ballrooms
8:00 - 9:00 AM	Keynote	Science Education Towards Just and Thriving Futures Dr. Carrie Tzou, Professor and Director, Science Education, University of Washington Bothell School of Educational Studies	Ballrooms
9:00 - 9:30 AM		Networking Break and Exhibitor Visits	Exhibit Hall A
9:30 - 10:30 AM	1.1	Fast, Free, and FUN: Simple Student-Centered Strategies to Save You Time and Level Up Your Differentiation [Elem] Ben Talsma & Jon Oosterman	Ballroom 1
	1.2	Michigan's Magnificent Ecosystems in Your Classroom with Nature at School [Elem] Tracy Page and Shana Ramsey	Radisson Capitol I
	1.3	"Making it Happen" - How Organizations are Doing on the Diversity, Equity and Inclusion Front [ES] Michael Reed	Radisson Capitol II
	1.4	3 Keys to Elementary STEM Success [Elem] Nicole Andreas and Billie Freeland	Ballroom 3
	1.5	Engaging Early Elementary Students in Asking Questions with Driving Question Boards [Elem, LS] Amber Richmond, Chiara Kirkland, and Dr. Cory Miller	Ballroom 5
	1.6	Explore Forces and Energy with Mi-STAR's Fidget Spinner Generators [MS] Tony Matthys and Zach Freeman	Ballroom 6
	1.7	Using Claims, Evidence, and Reasoning to Evaluate the Sustainability of America's Aquifers [MS] Leah Hall, Erin Henderson, Steve Mattox, Natalie Walejewski, Rachel Rose	Ballroom 7
	1.8	9.9 Billion World Human Population by 2050: Is It Sustainable? [HS] Larry Feldpausch	Governor's Room
	1.9	3P Science Learning: More Than Just Buzzwords [MS] Linnea Gibson	Room 102
	1.10	It's Just A Phase - Exploring Moon Phases [MS] Cris and Lisa DeWolf	Room 103
	1.11	Harnessing the Power of Story: Integrating Science and Social Issues in the Introductory Physics Curriculum [HS] Prasad Venugopal	Room 104



2022 MSTA Annual Conference

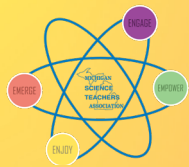
March 4-5, 2022 | Lansing Center & Radisson Hotel Lansing

Saturday, March 5, 2022 Continued

Time	Track	Session	Location
9:30 - 10:30 AM	1.12	"TOTALITY" The Great American Eclipse of 2024! [HS] Series See Track 2.12 Kevin Dehne	Room 202
	1.13	Visualizing the Central Dogma and Protein Structure Using Authentic Hands-On BioBits® Experiments [HS] Ally Huang	Room 203
	1.14	Interactive Digital Notebooks Using Google Slides [HS] Michelle Vanhala	Room 204
	1.15	Electron Orbitals and Light [HS] Scott Milam	Room 205
	1.16	Not Another Buzz Word: Culturally Responsive Teaching in Secondary Science [ES] Anthony Little	Ballroom 8
	1.17	Succeeding as a 'Specials' Teacher in STEM [Elem] Crystal Brown	Room 201
	1.18	Crime Scene Forensics: Processing Evidence Without Messing Up Your Crime Scene [HS] Kathy Mirakovits	Room 101
10:30 - 11:00 AM		Networking Break and Exhibitor Visits	Exhibit Hall A
11:00 AM - 12:00 PM	2.1	Making a Case for Self-Paced Learning: Helping Students Guide Their Own Inquiry [Elem] Jamie MacPherson and Cory Kavanaugh	Ballroom 1
	2.2	Mammal Mayhem: Identification and Investigations of Michigan Wildlife [Elem] Series See Track 3.2 Kevin Frailey	Radisson Capitol I
	2.3	What MiPINES Can Do For You! [Elem] Bridget Booth and Leah Higgins	Radisson Capitol II
	2.4	The Power of Modeling: Reading, Writing, and Modeling to Figure Things Out [Elem, LS] Sandy Erwin and Nancy Karre	Ballroom 3
	2.5	Building Science and Math Lesson Integration with STEM Challenges [Elem, STEM] Pam Caffery and Angie Meredith	Room 103
	2.6	Copper Sulfate - The Multifaceted Middle School Reactor [MS] Joan Cross and Katherine Thomas	Ballroom 6
	2.7	Interpreting the Geologic History of Michigan Using Cross-Sections [MS] Katelynn VanderVeer, Anna Zwart, Steve Mattox and Peter Voice	Ballroom 7

Saturday, March 5, 2022 Continued

Time	Track	Session	Location
11:00 AM - 12:00 PM	2.8	Chasing the Unknowns: Simple to Complex Algorithms to Define Nature [MS] Rob Keys	Room 102
	2.9	Putting the STEAM into Pipetting Skills [MS] Erika Fatura, Jon Baek, and Jennifer Sherburn	Room 101
	2.10	Comics and Science: "Say What?!" [MS] Connie Eisenhart	Ballroom 5
	2.11	Modeling Waves, Digital Communications, and Autonomous Vehicles, Oh My! [HS] James Gell, Laura Ritter, Jason Beatty, and Robert Jones	Room 104
	2.12	"TOTALITY 2024": What to Take with You! [HS] Series See Track 1.12 Norbert Vance and Kevin Dehne	Room 202
	2.13	3D Learning in a World of 8 Billion [HS] Holly Schaeffer	Room 203
	2.14	Take the Mess and Stress Out of Bacterial Transformation! [HS] Erika Fong	Room 204
	2.15	An Energy Approach to Physical Science [HS] Tyler Weatherwax and Rob Peters	Room 205
	2.16	From Capstone to Bedrock: Flipping High School and College Programs to Explore Careers in Geospatial Technologies [STEM] Constanza Hazelwood, Russell K Columbus, Andy Henry, Chelsea Hummon, and Yichun Xie	Ballroom 8
	2.17	Content Integration for All Around Achievement [HS] Vonetta Clark Toolles	Room 201
	2.18	The Michigan Merit Curriculum: Updates and Flexibility Options to Promote Science Education [HS] Rashell Bowerman	Governor's Room
12:00 - 1:00 PM		Lunch (on your own) and Exhibitor Visits	Exhibit Hall A
1:00 - 2:00 PM	3.1	Make Time for Science with Project-Based Learning [Elem] Terra Tarango	Ballroom 1
	3.2	Programs and PD; What the DNR Can Do for You! [Elem] Series See Track 2.2 Kevin Frailey	Radisson Capitol I
	3.3	Bring the Detroit Zoo to You! [Elem] Sandy Ling	Room 103



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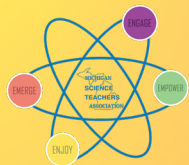
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Saturday, March 5, 2022 Continued

Time	Track	Session	Location
1:00 - 2:00 PM	3.4	<i>Tricks of the Trade in the Elementary Science Room [Elem, STEM]</i> Diana Matthews and Lisa Morgan	Radisson Capitol II
	3.5	<i>The Language of Science [Elem, LS]</i> Jami Neubecker	Ballroom 3
	3.6	<i>It IS our Bees-ness [Elem]</i> Rebecca Sandee and Gabe Knowles	Ballroom 5
	3.7	<i>The Colors of Nanoparticles [MS]</i> Timothy Brewer	Ballroom 6
	3.8	<i>Community-Informed Teaching: Enhancing Your Curriculum Through Place-Based Experiences [MS]</i> Autumn Mitchell and Leyla Sanker	Ballroom 7
	3.9	<i>C-E-R, A Scaffolded Approach for All Learners [Elem, MS, HS]</i> Caleb Fisher, Heather Damick, Marty Green, Taylor Termeer, and Lacey Ramsey	Room 201
	3.10	<i>Communicating Science: The Science of Communication [MS]</i> Kathy Agee	Room 102
	3.11	<i>Our Public Treasures, Our Public Lands [HS]</i> Larry Feldpausch	Governor's Room
	3.12	<i>The Science of Stress-Self Care and For Your Students [SS]</i> Tamara Coleman	Room 104
	3.13	<i>Why Water Matters: A Native Perspective [HS]</i> Carol A Trembath	Room 203
	3.14	<i>Problem-Based Learning in the Advanced Science Classroom [HS]</i> Tia Hohler	Room 204
	3.15	<i>SPEAK: Scientific Storytelling and Podcasting [HS]</i> Susan Sobehrad and Kristine Cooney	Room 205
	3.16	<i>#FlourescenceFriday [HS]</i> Michelle Mason	Room 101
	3.17	<i>17+ Ideas to Share with the New Teacher Next Door [HS]</i> Jennifer Sherburn and Erika Fatura	Room 202
	3.18	<i>Explore New Lands, Travel to the Past, and Get Up Close with Exotic Animals: Using Virtual Reality to Enhance Your Curriculum and Engage Learners Like Never Before! [SS]</i> Eric Nephew and Mark Schlaudt	Ballroom 8

Saturday, March 5, 2022 Continued

Time	Track	Session	Location
2:00 - 2:30 PM		Networking Break and Exhibitor Visits	Exhibit Hall A
2:30 - 3:30 PM	4.1	<i>Fast, Free, and FUN: Simple Student-Centered Strategies to Save You Time and Level Up Your Differentiation [Elem] (Repeat)</i> Ben Talsma & Jon Oosterman	Ballroom 1
	4.2	<i>Fun with Field Investigations [Elem]</i> Natalie Elkins and Becky Durling	Radisson Captiol I
	4.3	<i>What's in the Trunk? Come be a CSI Wildlife Investigator! Part One [ES, SS, EP]</i> <i>See Track 5.15 for Part Two</i> Erika Fong	Room 101
	4.4	<i>Making Science Work in Elementary! [Elem]</i> Maire Woodman	Room 104
	4.5	<i>Toys & STEM [Elem, STEM]</i> Connie Eisenhart	Ballroom 5
	4.6	<i>Opportunities in the Outdoors: Get Out and Learn [Elem]</i> Erin Parker	Ballroom 6
	4.7	<i>Do Birds Avoid Noisy Areas? [Elem]</i> Misty Koltz and Elizeth Cinto Mejia, PhD Student	Ballroom 7
	4.8	<i>Walking the Mesozoic Ear: How Do We Know What We Have Not Seen? Part One [Elem, MS, HS]</i> <i>See Track 5.16 for Part Two</i> Dave Chapman and David Mastie	Ballroom 8
	4.9	<i>Biology Modeling Instruction: Updates, Enhancements, and Opportunities [MS, HS]</i> Andrea Brook, Colin Costello, Allison Maes, and Fawn Phillips	Room 102
	4.10	<i>Mi-STAR CER Lesson: Scaffolds for Student Reasoning in Explanations and Arguments [MS]</i> Chris Geerer	Room 103
	4.11	<i>Use Sage Modeler to Explain Cause and Effect Relationships in Physical Science [MS]</i> Nancy Karre and Sandra Erwin	Ballroom 3
	4.12	<i>Don't Blow It!: Balloons, Biology and Finding Alternatives [HS]</i> Jordan Smith	Radisson Capitol II
	4.13	<i>Taking the Plunge into Standards-Based Grading [HS]</i> Wendy Johnson	Room 202
	4.14	<i>Viral Diagnostics Lab: Explore the Tools and Techniques Behind COVID Testing [HS]</i> Ally Huang	Room 203



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Saturday, March 5, 2022 Continued

Time	Track	Session	Location
2:30 - 3:30 PM	4.15	Interactive Notebooks for Student Led Learning Stacy Trosin	Room 205
	4.16	STEM Based Activities for Science Classes [HS, STEM] Andrew Frisch	Room 201
	4.17	Elementary Extravaganza [Elem, LS] Betty Crowder and Conni Crittenden	Room 204
	4.18	Virtual Great Lakes Region and Tribal Nations DoD STEM K-12 Sumer Camps & Saturday Learning Sessions [Elem, STEM] Sandra Yarema, Gregory A. Chappelle, April Hines-Jenkins, Aaron Tadgerson, and Grayling Mercer	Governor's Room
3:30 - 4:00 PM		Networking Break and Exhibitor Visits	Exhibit Hall A
4:00 - 5:00 PM	5.1	Inquiry with Purpose: Ways to Engage Students in Work that Matters [MS] Dawn McCotter	Ballroom 1
	5.2	How Can I Earn My EE Certification? [Elem] Cindy Fitzwilliams-Heck	Radisson Capitol I
	5.3	Solution-First Climate Change Education [MS, EP] Eileen Boekestein	Radisson Capitol II
	5.4	Connecting Science to Literature and Social Studies [Elem, LS] Michelle Blodgett	Ballroom 3
	5.5	Talk Science Through Texts [Elem, LS] Katie Stevenson	Ballroom 5
	5.6	What Sputnik Did For Science Education and What We Can Do Today [MS] Landon Bell	Room 103
	5.7	How the Detroit Zoological Society Can Empower You Scholar's [MS] Thomas Benson and Clair Lannoye-Hall	Room 205
	5.8	Letting Students Take the Wheel With Authenticity Inquiry [MS] Trisha Smrecak	Room 102
	5.9	Modeling, Inquiry and SEL: 5 Questions for Better Learning Outcomes [MS] Lucinda Martinelli	Ballroom 6
	5.10	The Science of Eye Glasses [HS] Larry Kolopajlo	Room 104
	5.11	Exploring Synergy: Environmental Literacy and the Next Generation Science Standards [HS] Holley Hereau and Misty Klotz	Ballroom 7

Saturday, March 5, 2022 Continued

Time	Track	Session	Location
4:00 - 5:00 PM	5.12	<i>Moosewatch for Educators [HS]</i> Dakota Bahlau, Chris Geerer, and Karen Bacula	Room 202
	5.13	<i>Exploring the Properties of Water and Cell Membranes Using Models [HS]</i> Mark Eberhard	Room 204
	5.14	<i>Getting Students Talking...About the "Right" Stuff [HS]</i> Heather Damick	Room 201
	5.15	<i>What's in the Trunk? Come be a CSI Wildlife Investigator! Part Two [ES, SS, EP]</i> <i>See Track 4.3 for Part One</i> Erika Fong	Room 101
	5.16	<i>Walking the Mesozoic Ear: How Do We Know What We Have Not Seen? Part Two [Elem, MS, HS]</i> <i>See Track 4.8 for Part One</i> Dave Chapman and David Mastie	Ballroom 8
	5.17	<i>System Models with Mi-STAR: Supporting Students to Develop and Share System Models [MS]</i> Monica Harvey, Stephanie Tubman, and Lorie Hurley	Governor's Room
	5.18	<i>Bringing Real Research to the First Semester General Chemistry Laboratory [HS]</i> <i>Presented Virtually</i> Mark Benvenuto, Juliana Jakubczak, and Omar Ammoun	Room 203



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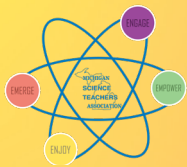
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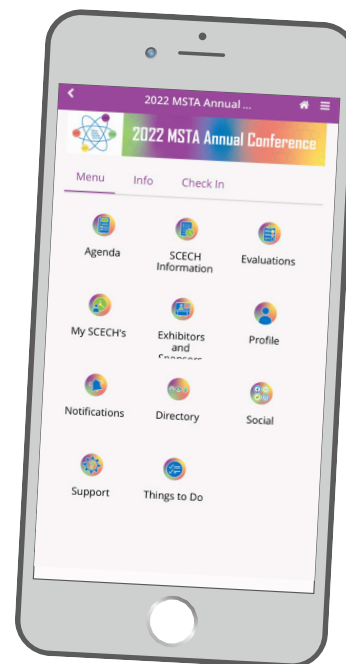
Download the **“My Ngage Event”** event platform to access session materials, speaker bios, sponsor and exhibitor information.

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- Click on the **Events** icon and find the icon for the **2022 MSTA Annual Conference**
- Select the event



Teach for a Sustainable Future

Dow Innovation Teacher Fellowship

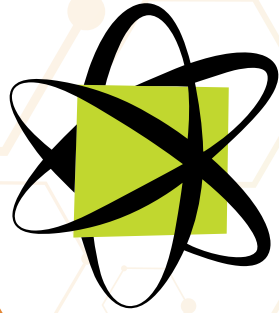
K-12 teachers of all disciplines in Arenac, Bay, Gratiot, Isabella, Midland, and Saginaw counties are eligible.

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**CEREAL CITY
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Phenomenon-based K-8 STEM Curriculum

Designed for the Next Generation Science Standards, the Cereal City Science curriculum engages students in sense-making of phenomena or designing of solutions through an integrated curriculum of physical science, life science, earth science, engineering, and technology. Units are equipped with everything needed to implement three-dimensional learning in Kindergarten through Middle School classrooms.

Curriculum Features:

- Figuring out phenomenon through modeling
- Integration with CCSS for Math and ELA enhances learning through high interest subject matter
- Tools for formative and summative assessment
- Teacher Guide, Student Journals, and Answer Key
- Materials for up to 32 students
- Access to CCS Online - designed for synchronous learning

Training That Builds Confidence and Leadership

Cereal City Science supports Kindergarten through Middle School educators with professional learning opportunities including Unit Training, in-depth, grade-level Teacher Cohort Training, Science Leadership Corps and follow-up "Kit Chats." Educators are immersed in modeling science concepts, sense-making, and pedagogical strategies in full-day trainings and workshops.



Request more information at cerealcityscience.org/msta



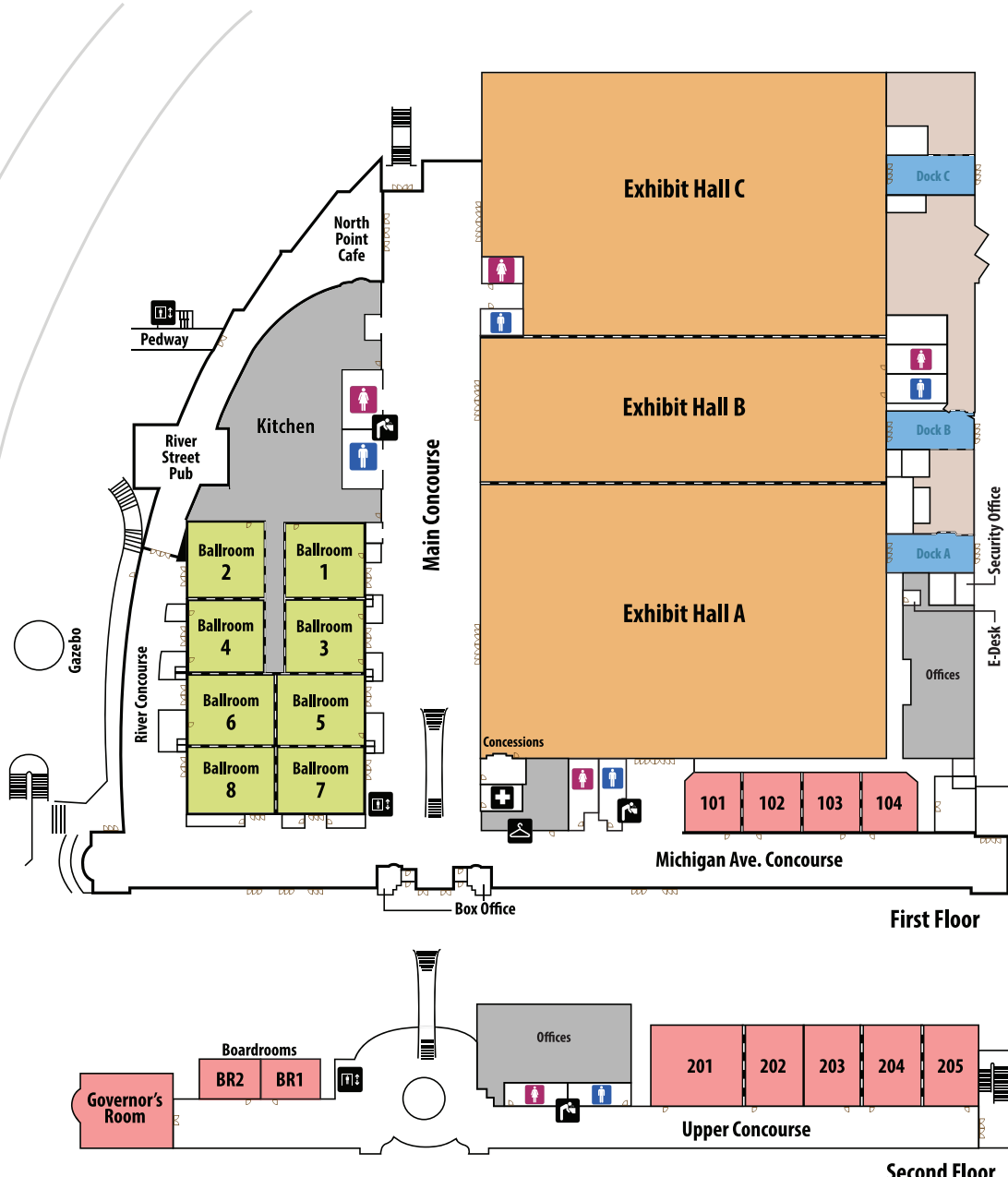
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LANSING CENTER MAP



Lansing Center Overview



MAP KEY

- Removable Walls
- Elevators
- Men's Bathroom
- Coat Check
- Women's Bathroom
- Drinking Fountain
- First Aid

SCECH INFORMATION

You MUST select the SCECH ticket of \$20.00 during online registration in order for MSTA to submit your hours for CE or purchase at registration on-site first thing to allow time to get you into the event app.

- 5.0 SCECH Hours: Friday, March 4, 2022
- 6.0 SCECH Hours: Saturday, March 5, 2022
- 11.0 SCECH Hours: Attend Both Days

You are required to evaluate the sessions you attended to receive SCECH hours. This can all be done on the mobile app you will get access to later. You must keep your own records for this event.



WI-FI LOGIN INFORMATION

USERNAME: MSTA

PASSWORD: Conference



“In my 9th grade Biology class, Gift of Life has consistently provided free and engaging interactive presentations that reach all the students! Having a transplant recipient involved in the presentation as well as hands-on props brings an experience to the students.”

— Nicole Durso,
9th grade biology teacher

ALL of US

Student
Education
Program

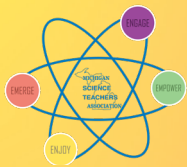


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Learn more at golem.org/allofus



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CONFERENCE FIELD TRIPS

All transportation to and from the field trip locations will be the responsibility of the attendee. If there is a cost associated with the trip attendees will pay upon arrival to the location.

Friday, March 4, 2022

2:00 - 3:00 PM | Potter Park Zoo (cost \$8 - mask required - limit 20)
1301 S. Pennsylvania Ave, Lansing, MI 48912



Come to Potter Park Zoo, an escape to nature just a few minutes from downtown Lansing! Your visit will include a visit with an Ambassador Animal, a guided tour of the zoo, and a little time to explore on your own. Cost is \$8 per person. Please note that current Ingham County protocols require masks indoors, and we recommend masks during the tour to protect fellow visitors and the animals.

6:30 PM - 8:30 PM | Impression 5 (no cost - no limit - mask required)
200 Museum Dr, Lansing, MI 48933



Visit Impression 5 Science Center! This dynamic, interactive science museum will be open, free of charge, to all MSTA conference attendees. Come play, create, and challenge as you mingle with your colleagues and celebrate STEM education. Friday, March 4th, 6:30pm to 8:30pm. Please check COVID protocols at Impression5.org prior to your visit.

Saturday, March 5, 2022



11:00 AM - 12:00 PM | Preuss Pet Store (limit of 10, masked, no cost)
1127 N. Cedar St, Lansing, MI 48906

Preuss Pets celebrates 40 years in business this year! Come visit one of Mid Michigan's tourist destinations less than one mile from the conference downtown. Recently featured on the Colbert Report with Stephen Colbert and winners of the Lifetime Achievement Award through the World Pet Association, this pet store is not your average store. Come tour their classroom, coral propagation area, 3,000 gallon in-store river, exotic bird and reptile nurseries, and more! Preuss Pets also assists many teachers with pets in the classroom. Stop in for a quick tour and enjoy a lunch in the historic Old Town right after. We can't wait to see you! Tour is limited to 10 participants and masks are required.

Fenner Nature Center | 2020 E. Mt. Hope Ave, Lansing, MI 48910
Session #1 - K-5th grade - 1:00-2:00pm (limit of 20, no cost)
Session #2 - 6th-12th grade - 2:30-3:30pm (limit of 20, no cost)



Please join Fenner Nature Center for a hands-on professional development session outlining methods of incorporating the outdoors into the classroom. This program will demonstrate how to perform a schoolyard habitat analysis with limited greenspace options for educators teaching grades K-5 and 6-12. We will also examine seasonal teaching opportunities: looking at environmental science through the lens of maple sugaring and how teachers can incorporate aspects of this centuries old practice into their science curriculum.

PARTNERSHIP PROGRAM

To both strengthen our commitment to science education and as a response to numerous educational institutions returning to in-person activities this fall, the Michigan Science Teachers Association has an exciting new opportunity for science museums and other potential partners across the state.

Make a commitment to the future of your museum or organization and join the MSTA Partnership Program! Gain direct access to thousands of Michigan Science educators. Position your museum or organization as a science education destination for school-groups from around the state. Establish your staff as experts in the industry. Share your thoughts, successful programs and innovative experiments in MSTA print and digital communications pieces. Examples of other organizations are zoo's, observatories, aquariums, public gardens, etc.

All these opportunities and more are yours as a MSTA Partner for the incredibly small investment of just \$50 per year.

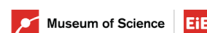
Partnership Program benefits include:

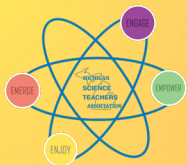
- Company logo and link on the MSTA partnership webpage
- One banner ad per year in the MSTA Monthly eNewsletter
- Two article submissions per year in the MSTA Monthly eNewsletter
- One article submission per year in the quarterly MSTA LINKS publication
- Regular mentions on MSTA Social Media Channels
- Receive regular updates and information about MSTA events and programming
- Your annual commitment will see immediate return on investment with a \$50 discount off a non-profit table or booth at the MSTA Annual Conference during your first year as an MSTA Partner!

Michigan science museums and other partners have always had a forum on www.msta-mich.org to share discounts and provide special offers to MSTA members at no cost. That valuable benefit has not changed. However, we invite you to take advantage of this brand-new opportunity to join MSTA as a Partner for customized offerings and additional advantages, including promotional opportunities for your organization in the statewide science community, unprecedented access to educators and much more. Share our vision for the advancement of science education in Michigan by joining the MSTA Partnership Program today!

For more information contact us directly by calling 734-973-0433 or email office@msta-mich.org.

CURRENT MSTA PARTNERSHIP PROGRAM MEMBERS





2022 MSTA Annual Conference

March 4-5, 2022 | Lansing Center & Radisson Hotel Lansing

THANK YOU TO OUR SPONSORS & EXHIBITORS!



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SAVVAS
LEARNING COMPANY

Activate Learning | Booth: 307
 Air Zoo | Booth: TT-14
 American Chemical Society | Booth: TT-5
 Amplify Education | Booth: 302
 Arbor Scientific | Booth: 200/202
 Benz Microscope Optics Center | Booth: 207/209
 Biozone Corporation | Booth: 107/109
 Breakthrough Technologies | Booth: 201
 Cedar Point | Booth: 306
 Cereal City Science | Booth: 300
 Detroit Public TV & Michigan Learning Channel | Booth: TT-13
 Detroit Zoological Society | Booth: TT-10
 ECA Science Kit Services | Booth: 301/303
 ExploreLearning | Booth: 305
 Garage Sale | Booth: TT-24-27
 Gearbox Labs | Booth: TT-2
 Gift of Life Michigan | Booth: TT-11
 Greater Lansing Convention & Visitors Bureau | At Registration
 H2O Q - American Chemical Society Midland Section | Booth: TT-4
 hand2mind | Booth: 406
 Inland Seas Education Association | Booth: TT-12
 IQ Hub | Booth: TT-3
 Kognity for NGSS | Booth: 408
 Lawrence Technological University | Booth: TT-9
 Michigan Alliance for Environmental and Outdoor Education | Booth: TT-8
 MESTA Rock Shop | Exhibit Hall
 MI Dept. of Natural Resources | Booth: TT-7
 Mi-Star (Michigan Tech) | Booth: TT-29
 Michigan Agriculture in the Classroom | Booth: TT-6
 Michigan Antibiotic Resistance Reduction Coalition | Booth: TT-18
 Michigan Chemical Council | Booth: TT-20
 Michigan Education Association | Booth: 206/208
 Michigan GROWN, Michigan GREAT | Booth: TT-1
 Michigan Sea Grant | Booth: TT-15
 Michigan Soybean Committee | Booth: 103
 MiniOne Systems | Booth: 101
 miniPCR bio | Booth: 309
 MSTA Why to become a MSTA Member & Store | Booth: TT-31/TT-30
 Museum of Science - EiE | Booth: 203
 National Science Teaching Association | Booth: TT-23
 Orion's Quest | Booth: TT-21
 Savvas Learning Company | Booth: 308
 School Specialty LLC, Curriculum | Booth: 404
 Square One Education Network | Booth: TT-16
 The MarkerBoard People | Booth: 400
 Think! Energy - National Energy Foundation | Booth: TT-17
 TinkRworks | Booth: 402
 Toshiba/NSTA ExploraVision | Booth: TT-19
 Van Andel Institute for Education | Booth: TT-22

SAVE THE DATE!

MSTA 70th Annual Conference
March 2-4, 2023
Lansing Center & Radisson Hotel Lansing



Celebrating 100 years

Making the nature connection

Find out more at tinyurl.com/DNReducation



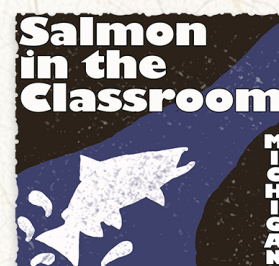
resources for home & school

classroom programs

professional development



field trips & family programs





WI-FI LOGIN INFORMATION

USERNAME: MSTA

PASSWORD: **Conference**