

MAST/TEEAM Fall Conference 2023 Schedule

Session # / Time	Strand 1	Strand 2	Strand 3	Strand 4 /6	Strand 5	Miscellaneous	Vendors / Lobby
	Learn and Lead: Engaging in content based conversations	Diversity, Equity and Inclusion: How to best reach ALL students in/through Science and Engineering	Disciplinary Core Ideas: Looking at the big picture in our content	Crosscutting Concepts: Finding ways to bridge gaps across content areas and within Science & Engineering / Making & Doing Fabrication in STEM	Science & Engineering Practices: Implementation within the classroom setting	Miscellaneous	
9:00 - 9:30AM	Animation and Media (A-18)	Bio-Tech (B-46)	CCMA	EMT (B-37)	Academy of Finance (A-8)	Aerospace (A-14)	Vendors
	Opening Session - Keynote Address - Dr. Danielle Hilliard, Concept Design and Realization Branch Head JHU/APL						<ul style="list-style-type: none"> • Robo Wunderkind
1 9:35 - 10:30AM	Gaming in the Classroom (HS) Dexter Carr, Jr., MHA and Phil Rogofsky	Sparking a curiosity among K-5 students with modular robots (PK-2) Jamie Guidry and Claire Oleksiak	Evolution for Middle School Educators (MS) Christopher Moran	Leveraging Artificial Intelligence (AI) for Environmental Education (HS/PS) Chelsea McClure	Onshape Certification byDesign (HS) Ryan S. Novitski	Engaging Students in Hands-on Algorithmic Thinking (MS) Annemarie McDonald and Kara Berger	<ul style="list-style-type: none"> • Baltimore Museum of Industry • ExploreLearning • Game4Good • Goddard Space Flight Center
2 10:35 - 11:30AM	Ways to Integrate Earth Science into Physics, Chemistry, & Biology (HS) Martin Schmidt	EarthX - Advancing Earth Science Instruction Across High School Life and Physical Science (HS) Kevin S Garner, Ed.D	National Board Certification from the CTE and Science Perspective (All) Angela Bernard,	Maryland Engineering Challenges at the BMI (All) Jessica Celmer	Creating Student Data Sets, from Authentic Research, for the Classroom (MS) Karen McDonald	Young Minds Collaborate to Engineer Food for the Future (ES) Jennifer Chambers	<ul style="list-style-type: none"> • Howard County Conservancy / Youth Climate Institute • ITEEA • Morgan State University
LUNCH 11:35 - 12:30PM	LUNCH & LEARN w/ Jenny Rachic DNP, MSN CTE Instructor Calvert County						<ul style="list-style-type: none"> • MSDE
3 12:35 - 1:30PM	National Board Certification New Candidate and MOC Working Session (All) Angela Bernard	Fostering Student Engagement: Harnessing the Power of Simulations in Science Education (HS - Vendor) Emily Duganne	Skeptical Thinking is the Key to Science Practices (MS) Christopher Moran	A Mouthful of Science: Integrating Oral Health Education into Science Classrooms with the Nat'l Museum of Dentistry Elise Petersen, MHP and Patrick Cutter	Incorporating the Technology and Engineering Practices in STEM Classrooms (HS) Melvin Gill	Unlocking Science: Escape Rooms as Engaging Learning Adventures (MS) Kristin Diamantides	<ul style="list-style-type: none"> • The Teacher Institute for Evolutionary Science • Towson University • University of Maryland, Eastern Shore
4 1:35 - 2:30PM	Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Informational Presentation (ES) Jeremy Haack	Intergrating Quantum Science into the K-12 classroom via Engaging Activities (All) Maajida Murdock	Promoting science Appreciation with #ScienceSaves (MS) Christopher Moran	To promote nature journaling in teacher education courses and share artifacts (PS) 10 minutes Chelsea McClure, PS, 10 min .	Engineering byDesign (EbD) - Integrative STEM Resources (HS) Ryan S. Novitski	Elevating the Next Generation of Climate Leaders (HS) Gabrielle Rose	
Final/Closeout 2:35 - 3:00PM	Closing Session - Raffle						