



32nd Annual OCTC

TIE Conference

Teachers, Industry & Environment Conference

Wednesday, October 15, 2025

- 4:00-6:00 p.m. Conference Registration**
- 5:00-6:00 p.m. Welcome Dinner – Sponsored by Enbridge**
- 6:15 p.m. Shuttle Transportation to Ashland Chemical Company**
- 6:45 p.m. Tour of Ashland Chemical Company**
Ashland Chemical Company is a global specialty chemical company that provides products, services and solutions throughout a variety of industries. The tour of Ashland Chemical Company provides conference participants an inside look at an operating chemical plant.
- 8:30 p.m. Depart for Conference Hotel**

Thursday, October 16, 2025

- 7:00 a.m. Breakfast – Sponsored by Syensqo**
- 8:00 a.m. Conference Opening Remarks**
Jenn Klein, President, Ohio Chemistry Technology Council
- 8:05 a.m. Introduction of Ashland University Graduate Credit Opportunity**
Linda Pettit, Ashland University
- 8:15 a.m. Teaching Science with Toys – Presented by Amy Weiskittel**
Unlock the mysteries of chemistry for your students by learning to use both homemade and purchased toys in your classes. Teachers will explore hands-on science activities that use toys and other common household items to teach the principles of scientific inquiry, physics and chemistry.
Amy Weiskittel, Jan Galbraith
- 10:00-10:10 a.m. Break**
- 10:10-11:00 a.m. & 11:10 a.m.-12:00 a.m. Concurrent Sessions**
- Dancing Bubbles – Presented by Syensqo**
In this activity teachers will observe the relative densities of household liquids, like syrup, oil and alcohol and solids, like plastics, wood and paper.
Kelydra Welcker, Syensqo
- Expanding Project WET – Presented by Ohio EPA**
Project Water Education Today lets students explore how water shapes our world and helps them understand steps they can take to keep water clean. Join us as we go through the exercise “Seeing Watersheds” with an expansion using an augmented reality sandbox as a teaching tool. Participants will receive the Sampler Project WET Curriculum and Activity Guide 2.0.
Holly Tucker, Dan Sowry, Supora Hunter, Ohio EPA
- 12:00-1:30 p.m. Lunch – Sponsored by The Lubrizol Corporation**



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Thursday, October 16, 2025 (Continued)

1:40-2:30 p.m. &
2:40-3:30 p.m.

Concurrent Sessions

Plastics in Industry & Environment – Presented by Covestro

Through a series of interactive demonstrations, participants will experience the stages of plastics manufacturing, including polymerization, extrusion, molding, quality analysis, and recycling. Participants will demonstrate polymer reactions, participate in a live color matching process, and experience tabletop-scale representations of extrusion, molding, and quality analysis processes. Participants will also be introduced to information on the career opportunities and education requirements in the industry.

Jim Hamilton, Adam Houdeshell, Sarah Boes, Derek Fulk, Grant Stokes, Alec Miller, Drew McDaniel, Covestro

Exploring States of Matter – Presented by SESA

This session is adapted from SESA's States of Matter lesson, one of our most requested presentations each year. We will be exploring different states of matter and how to change from one to another using simple classroom experiments. They will range from using inexpensive household items, equipment from the science lab, to dry ice. We will end the session by creating a States of Matter sweet treat. This is a session that should have a little something for everyone regardless of the grade level you are teaching.

Rachel Smith, SESA

3:30-3:50 p.m.

Snack Break – Sponsored by the American Chemistry Council

3:50-4:50 p.m.

Foodology – Sponsored by Univar Solutions

Food, science, need we say more?

Kim Uttley, Univar Solutions

4:50 p.m.

Ashland University Reflection

This session is offered to those interested in obtaining 1 semester hour of graduate credit through Ashland University. The fee for the credit is \$200. Participants will work with an Ashland University facilitator on a reflection of the sessions attended during the conference, and how to incorporate what was learned into their curriculum.

Linda Pettit, Ashland University

4:50 p.m.

Evening on Your Own

Friday, October 17, 2025

7:00 a.m.

Breakfast – Sponsored by Americas Styrenics

7:55 a.m.

Opening Remarks (During Breakfast)

Jenn Klein, Ohio Chemistry Technology Council

8:00 a.m.

Plug and Play Entrepreneurship: Where STEM Thinking Meets Real World Challenges – Young Entrepreneur Institute

Join Young Entrepreneur Institute as we bring innovation and entrepreneurship into your classroom effortlessly with a ready-to-use collection of hands-on lessons designed for students of all ages. Each lesson will guide students through creative problem-solving, design thinking and pitching their ideas – all while building critical STEM and entrepreneurial mindset skills. No prep, no stress – just everything you need to engage



32nd Annual OCTC

TIE Conference

Teachers, Industry & Environment Conference

your students in real-world challenges that spark curiosity and confidence. Whether you are a seasoned educator or new to entrepreneurship, Young Entrepreneur Institute is here to help you inspire the next generation of innovators.

Jessica Dragar, Young Entrepreneur Institute

9:30-9:40 a.m.

Break

**9:40-10:30 a.m. &
10:40-11:30 a.m.**

Concurrent Sessions

Real Industrial Concepts as Student-Friendly Experiments – Presented by Syensqo

Discover some of the processes that chemical companies must be knowledgeable about when they design and operate their plants. Participants will model the concepts by completing hands-on experiments that can easily be brought back to their classrooms. They will learn how these ideas are used in real world applications, and they will observe how severe the consequences can be when the hazards are not properly understood or mitigated.

Kelydra Welcker, Syensqo

Future City Brings Tomorrow to Your Students – Ohio EPA

Through the Future City curriculum, middle school and high school students solve real-world problems and plan for how people will live tomorrow. Come see how your students will imagine, research, design, and build cities of the future based on this year's prompt: "Farm to Table" - Design a city that eliminates food waste from farm to table and keeps your citizens healthy and safe. Future City offers opportunities both in classes and at the competition level.

Holly Tucker and Supora Hunter, Ohio EPA

11:30 a.m.

Survivor SESA Style: You are Stranded on a Desert Island – Presented by SESA

So begins the SESA Tech Challenge. Guided by the SESA crew, participants will use the materials provided to design and construct tools to attract a boat and be rescued. This session encourages higher level thinking skills and the creative use of technology.

Rachel Smith, SESA

12:30 p.m.

Conference Closing Remarks

Jenn Klein, Ohio Chemistry Technology Council

Departing Gifts Presented to Teachers

Swag Bags – Sponsored by Wiley Companies

Swag – All Company Sponsors

Snack Box To Go – DuPont

Teacher Grants – PPG

Certificate of Completion – All Company Sponsors