

Thursday

SESSION KEY:

ELEM - Elementary

MS - Middle, Junior High

HS - High School

2Y - 2-year College

4Y - 4-year College & University

10:30AM–3:30PM**1675-105516 Cultivating Authentic Dialogue in College STEM Classrooms****Orange County Ballroom 3 & 4 • JEDI / Inclusive Teaching Practices • Special Workshop (Full Day) • 2Y, 4Y**

We will showcase the IGELS “Consideration Tree,” which provides a structure to help STEM instructors evaluate the risks and rewards of their topic choices. Participants will discuss ways to support trustful dialogue in the classroom, identify resources to cultivate a reflective and empathetic mindset, develop language to articulate the value and process of contemplative teaching to colleagues and campus leadership, and manage discomfort in the classroom in a productive way.

Bryan Dewsbury, Florida International University, Miami, FL; Dayna Defeo, University of Alaska-Anchorage, Anchorage, AK; Gabriela Hamerlinck, University of Florida, Gainesville, FL; Elizabeth Harrison, Kennesaw State University, Kennesaw, GA; Heather Rissler, North Iowa Area Community College, Mason City, IA; Davida Smyth, Texas A&M University-San Antonio, San Antonio, TX; Gordon Uno, University of Oklahoma, Norman, OK

11:30AM–1:30PM**NABT Board of Directors Meeting & Leader Lunch****Platinum Ballroom 4 • Committee Meeting (2 hours) • Invitation Only****12:30PM–3:30PM****1675-108045 SCST Presents: Optimizing Instructional Strategies****Gold Key I & II • Instructional Strategies • Special Symposium (3 hours) • 2Y, 4Y**

Join the Society for College Science Teaching (SCST) for this interactive symposium featuring multiple interdisciplinary presentations highlighting best practices and effective strategies for teaching science at the undergraduate level. Group discussions will also explore successful teaching strategies and barriers to implementation, as well as future opportunities and challenges in college science teaching.

Kennedy Conroy and Thayne Sweeten, Utah State University, Logan, UT; Jason R. Wiles, Syracuse University, Syracuse, NY; Derrick A. Nero, University of Nebraska-Omaha, Omaha, NE; Tarren J. Shaw, University of Oklahoma, Norman, OK; Renee M. Clary and Athena Owen Nagel, Mississippi State University, Mississippi State, MS

12:30PM–3:30PM CONT.**1675-106290 20 in 20 and Beyond****Orange County Ballroom 1 • General Biology • Special Workshop (3 hours) • ML, HS, GA**

Come try numerous 20-minute inquiry-based activities that are sure to engage and excite your students. You and your students will be glad you did!

Whitney Crispin Hagins, MassBioEd (retired), Bolton, MA

1675-106377 Using Societal Challenges as Phenomena in Three-Dimensional Units to Develop Student Agency**Orange County Ballroom 2 • Instructional Strategies • Special Workshop (3 hours) • ML, HS, 2Y**

Experience how BSCS’s Anchored Inquiry Learning instructional model leverages complex, culturally relevant societal challenges as phenomena in three-dimensional teaching and learning to support all students’ learning and development of agency!

Cindy Gay, BSCS Science Learning, Steamboat Springs, CO

1675-108475 NCSE Presents: Scientific Literacy in the Digital Age of Misinformation**Platinum Ballroom 1 • Science Practices • Special Workshop (3 hours) • HS, 2Y, GA**

Students are being exposed to more scientific misinformation and disinformation than ever before. Teaching them to identify sound science accurately can be challenging. Join NCSE as we offer practical tools and strategies to navigate an increasingly digital world.

Wendy Johnson and Blake Touchet, National Center for Science Education, Oakland, CA



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12:30PM–3:30PM CONT.

**1675-106258 HHMI
BioInteractive Storylines
for Coherent Instruction**

**Platinum Ballroom 2 •
Curriculum Development • Special
Workshop (3 hours) • HS, 2Y, 4Y**

Storylines (coherent lesson sequences) anchored in engaging phenomena improve student engagement and understanding of overarching biological concepts. In this workshop, facilitators will model using phenomena to lead storyline-based instruction. Participants will experience components of a new, freely available storyline that explores the biology of the sickle cell trait. This storyline was designed with AP[®] Biology and undergraduate introductory courses in mind, but educators teaching general high school biology will also benefit from the experience.

Britt Murcko Czupryna, Niles West High School, Niles, IL; Michele Koehler, Riverside-Brookfield High School, Brookfield, IL; Kathy van Hoeck, York Community High School (retired), Marion, IA; Jason Crean, HHMI BioInteractive, Chevy Chase, MD

2:30PM–3:30PM

**NABT Open Forum
Platinum Ballroom 4 •
Committee Meeting • GA**

The NABT Board of Directors and Executive Director will lead this interactive discussion on the association's state. Updates on current and future initiatives will also be shared. Everyone is invited to learn more about our operations, provide feedback on the programs we support, and get more involved with NABT.

4:00PM–5:30PM

Janet Carlson

See biography on page 16

**Building Bridges: Connecting Research
with Practice for Highly Effective Teaching**

Platinum Ballroom 5 & 6 • Special Speaker • GA

Current education research highlights ways to provide effective, high-quality learning experiences for both students and instructors. Yet, we still need to bridge the gap between what the research tells us to do and what we actually do. In this interactive session, participants will review several research areas related to effective teaching. You'll consider key ideas about how people learn, the knowledge and skills of highly effective teachers, and how to deepen your classroom practice to enhance student learning. Dr. Carlson will then introduce a model that illustrates the relationship between what you know and what you do as a teacher and how that relates to more equitable learning experiences for your students. By the end of this session, you'll have reflected on the complexity of teaching, learned strategies on how to use research findings to refine your effectiveness with students of any age, and depart with ideas on how to lead from your classroom to encourage others.

5:30PM–6:00PM

**NABT Four-Year College
& University Executive
Committee Meeting**

**Elite Ballroom • Committee
Meeting • 4Y**

6:00PM–7:00PM

**NABT Past President's Advisory
Council Meeting & Reception
Presidential Suite • Invitation Only**

5:30PM–7:30PM

**Exhibit Hall Grand
Opening Reception**

**Marquis Ballroom •
Special Event • GA**

Get ready for an unforgettable experience in Anaheim! Join us for the grand opening of the 2024 NABT Exhibit Hall, where our amazing sponsors and partners will showcase the latest innovations in life science education. From beloved classics to new favorites, you are sure to find something to elevate your teaching and engage your students!