

## NSELA

Wednesday, March 20

### Using Issues in Sustainability to Promote Equitable Science Learning

1:05 – 2:15 p.m. | Curtis Hotel

Teacher leaders will learn how to reframe science learning around sustainability issues based on the U.N.'s Sustainable Development Goals. They will explore how these goals provide learning contexts to address the needs and interests of their students while also meeting the demands of the NGSS.

### Leading the Charge for Science: Empowering Leaders Towards Equity-driven Systems Change

2:35–3:45 p.m. | Curtis Hotel

Join us to uncover the transformative potential of systems thinking for improving K-12 science! Engage in practical exercises and gain insights into tested approaches for fostering equitable change. Take advantage of this opportunity to enhance your leadership and drive meaningful transformation.

## NSTA

Thursday, March 21

### Putting Science in the Science of Reading

1:00–2:00 p.m. | Convention Center Bluebird Ballroom 2G

Prior experience and knowledge are key to reading comprehension, especially for tackling complex texts. Join us for an interactive session to explore how doing science and applying effective reading strategies support students to succeed as readers and scientists.

### Localizing National Curricula: Strategies for Centering Students and Their Communities

1:00–2:00 p.m. | Convention Center Bluebird Ballroom 2B

How do we center our own students and their communities in NGSS units designed for a national audience? Explore and try out localizing approaches, resources, and examples that are grounded in equity-focused research and built out by K-8 teachers and district leaders implementing Amplify Science.

### Content Integration With Science as the Anchor

2:20–3:20 p.m. | Convention Center Bluebird Ballroom 2A

Phenomena-based teaching and learning in science authentically lends itself to integration with literacy, language development, and other subject areas, yet each is often taught in silos. Explore how to shift K-5 classroom practice towards an integrated approach that supports all students' learning.

### Supporting Multilingual Learners in the Science Classroom: A Practical Approach

3:40–4:40 p.m. | Convention Center #704

This session will provide teachers with practical and effective strategies for supporting Multilingual Learners. Through hands-on activities, we will model best practices for scaffolding the language demands of a science lesson and the language development opportunities provided by the Practices.

## Friday, March 22

### **Strategies and Tools for Enhancing Computational Thinking in the High School Science Classroom**

**8:00-9:00 a.m. | Hyatt Regency Mineral Hall B**

Gain strategies and tools for enhancing opportunities for computational thinking in your current high school life or physical science curriculum. Bring current lessons and leave with concrete ideas for helping students engage authentically in the SEP of Using Mathematics and Computational Thinking.

### **NGSS-Aligned Summative Classroom Assessments of Three-Dimensional Learning**

**1:20-2:20 p.m. | Convention Center Bluebird Ballroom 2C**

What's a good assessment? Learn what to look for (or include) in an effective assessment that tracks students' 3D learning related to middle school PEs. Educators will learn about key features for summative, benchmark 3D assessments designed to be used in any NGSS-aligned middle school classroom.

### **Helping Urban Educators Navigate the Rich Landscape of Teaching Resources**

**4:00-5:00 p.m. | Convention Center #106**

NSTA's Urban Advisory Panel members share ideas about leveraging community partnerships to obtain resources, curriculum, and learning activities.