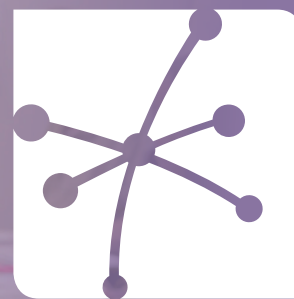


# MULTIDIMENSIONAL SCIENCE EDUCATION



## Making Sense of SCIENCE

### FORMAT

Two 7-hour days of professional learning

### AUDIENCE

K–12 teachers, coaches, curriculum developers, and administrators with any level of experience

### SEQUENCING

Ideal for sites just starting NGSS and those who are focused on taking a whole-student, integrated approach to learning science, literacy, math, and 21st century skills

### RELATED MATERIALS

We recommend the Classroom Innovations PLC protocol as a continuing learning tool.

This course introduces the Making Sense of SCIENCE eight-dimension model for rich, 21st century science education. Participants engage in a maker session, two adult-level science learning experiences (one in life science and one in physical science), and an adult-level engineering challenge. They also explore the meaning and utility of each dimension in the MSS model, dive into energy and engineering in the NGSS, and plan for implementing more multidimensional learning in their classrooms.

This course is also available in an administrator version specifically designed to meet the needs of administrators supporting next generation science implementers.

### EIGHT DIMENSIONS FOR SCIENCE EDUCATION

-  Science & Engineering Practices
-  Science & Engineering Content
-  Science & Engineering Crosscutting Concepts
-  Literacy
-  Mathematics
-  Technology
-  Culture and Affective
-  Learning, Life, and Career Skills

## Next Generation Science Implementation

The Next Generation Science Implementation (NGSI) suite of courses engages participants in multidimensional, adult-level science learning, investigations into next generation science mindset and pedagogical shifts, and strategizing for implementation. The NGSI courses are synergistic, so participants who engage with multiple courses develop a rich, multidimensional, and practical understanding of the properties of next generation science education and how to support implementation in their own context.

