Camp MSS is a yearly conference hosted by the Making Sense of SCIENCE project at WestEd. It is designed to bring our professional learning research and development into practice. A large part of Camp MSS 2020 will be based on what we and our partners learned and created during our recent Investing in Innovation (i3) grant.

Camp MSS 2020 provides 30 hours of professional learning and will focus on providing high-quality experiences and materials to administrators, leaders, and leadership teams that are striving to systemically implement next generation science education. Campers will have an opportunity to:

- Engage in a sampling of MSS professional learning courses — all of which explicitly support next generation science implementation in the K–12 classroom, including a course specifically designed for our high school teams. (We heard you!)
- Explore the professional learning services of the Quality Teaching for English Language (QTEL) and Reading Apprenticeship (RA) — two other WestEd projects that are just as passionate as MSS about providing professional learning that prepares teachers to engage all students in next generation science education.
- Reflect on next generation science implementation progress and collaboratively strategize around professional learning needs and plans with other leaders doing similar work and MSS staff.

WHAT IS MAKING SENSE OF SCIENCE?

Making Sense of SCIENCE believes that when teachers transform their science classrooms into places that fuel curiosity and nurture collaboration, they prepare students to be the problem solvers of tomorrow. Without this investment, students are at risk of not reaching their full potential in school, in their careers, and as citizens in our democracy. Making Sense of SCIENCE is not a student curriculum, nor is it aligned to any specific student curriculum. Instead, we help build stronger science education communities by providing personalized professional learning and needs-based technical assistance to teachers, coaches, leaders, and administrators.
### WEDNESDAY

**Science and Engineering Practices**  *also offered Thursday*

*For K–12 teachers & coaches.* Learn about the Science and Engineering Practices by investigating light, the reasons for the seasons. Explore classroom approaches and supports that help students effectively engage in the Science and Engineering Practices. This course is also offered on Thursday.

**Crosscutting Concepts**  *also offered Thursday*

*For K–12 teachers & coaches.* Use the Crosscutting Concepts to investigate decomposition and force and motion phenomena. Analyze those experiences to dig into what the Crosscutting Concepts are, their utility in science and engineering, and how to support students using them. This course is also offered on Thursday.

### THURSDAY

**Science and Engineering Practices**  *also offered Wednesday*

*For K–12 teachers & coaches.* Learn about the Science and Engineering Practices by investigating light, the reasons for the seasons. Explore classroom approaches and supports that help students effectively engage in the Science and Engineering Practices.

**Crosscutting Concepts**  *also offered Wednesday*

*For K–12 teachers & coaches.* Use the Crosscutting Concepts to investigate decomposition and force and motion phenomena. Analyze those experiences to dig into what the Crosscutting Concepts are, their utility in science and engineering, and how to support students using them.

### FRIDAY

**Quality Teaching for English Learners (QTEL)**

*For K–12 teachers, coaches, administrators, and NGSS leadership teams.* Expand your theoretical and practical knowledge of the kind of quality teaching needed to ensure English Learners’ successful participation in next generation science.

**Reading Apprenticeship (RA)**

*For 6–12 teachers, coaches, administrators, and NGSS leadership teams.* Explore your own expertise with science texts, investigate how to support secondary students becoming confident, competent readers of science, and consider the role of reading in next generation science.

**Supporting Science Instruction**

*For administrators & NGSS leadership teams.* Dive deeply into high-leverage topics for next generation science implementation. Engage in science and engineering investigations to learn what this kind of instruction looks like, sounds like, and feels like in practice.

**NGSS at High School**

*For 9–12 teachers & coaches.* Engage your high school teachers in the critical instructional shifts required to implement next generation science teaching and learning at the high school level. Explore the integration of earth science and engineering into chemistry, biology, and physics.

**MSS Mini Sessions**

*For K–12 teachers, coaches, administrators, and NGSS leadership teams.* Learn to facilitate three separate 2-hour PL sessions — Understanding the properties of a next generation classroom, Engaging students in exploratory and explanatory discourse, and Exploring the difference between grading and formative assessment.