

# Mathematics Professional Development

## Number Talks in the Elementary Classroom

Join us as we explore how to incorporate a low-preparation, but high-yield 15-minute classroom conversation into your daily routine. Through this session, you will observe number talks with real students, engage in number talks as a participant, understand how to prepare and design your own number talks, and investigate computation strategies that mirror the progression of students' understanding.

**Grades K - 5th | June 5, 2019 | Oxford, MS | 0.6 CEUs**

## Keys to Mathematical Success

Quality mathematics instruction has at its core fundamental practices that set the stage for mathematical success for all students. From setting attainable instructional goals to supporting productive struggle, these practices are applicable to mathematics classrooms across all grade levels and are informed through research on what makes mathematics teaching and learning effective. During this two-day workshop, we will explore how teachers can implement these practices and impact student learning.

**Grades K - 12th | June 6 & 7, 2019 | Oxford, MS | 1.2 CEUs**

## MATHCOUNTS® Coaches Clinic

Are you a middle school math teacher who wants to inspire a love of mathematics in your students? MATHCOUNTS® is a national middle school mathematics competition designed to help all students experience the beauty and joy of mathematics. During the Coaches Clinic, participants will learn about the different components of the competition, resources available to help prepare teams, and collaborate with experienced coaches.

**Grades 6th - 8th | June 12, 2019 | Oxford, MS | 0.6 CEUs**

# Science Professional Development

## Using Essential Questions to Unpack the Science Standards

Discover how essential questions can effectively guide your instructional planning. We will unpack the *2018 Mississippi College- and Career-Readiness Standards for Science* and identify instructional activities that purposefully answer essential questions designed to actively engage students in thinking about their own learning.

**Grades 6th - 8th | June 4 & 5, 2019 | Oxford, MS | 1.2 CEUs**

**Grades 3rd - 5th | June 6 & 7, 2019 | Oxford, MS | 1.2 CEUs**

## Science Teacher Residential Institute

Join us for our first Science Teacher Residential Institute! The CMSE is partnering with Making Sense of SCIENCE (MSS) to provide science teachers with the opportunity to make sense of complex science ideas as adults with an eye toward classroom implementation. This five-day institute will focus on multidimensional science education, crosscutting concepts, and science and engineering practices. All activities and lesson plans are compatible with the *2018 Mississippi College- and Career-Readiness Standards for Science*.

**Grades K - 12th | July 8-12, 2019 | Oxford, MS | 3.0 CEUs**

