

MATH

SCIENCE

ADMINISTRATORS

Mathematics Short Courses - Using the

Number Line *Grades K-12*

K-5 July 14 & 15; MS June 16; HS June 18
Strengthen understanding of the KCAS mathematics content standards and Standards for Mathematical Practice while experiencing activities as a learner during these 1-day courses.

Interweaving the Standards for Mathematical Practice into the Classroom

Grades 6-12

MS July 9-10; HS June 16-17

You can support student engagement in the Standards for Mathematical Practice through your mathematics program! Learn how to get mathematically proficient students that can demonstrate the eight Standards for Mathematical Practice in this 2-day workshop.

Creating an Effective Mathematics

Classroom *Grades 6-12*

July 14-15

Learn how to set up a mathematics classroom to engage your students, techniques for fostering math talk and instructional strategies that bring mathematics alive in this 2-day workshop.

Achieving Success in the Algebra II and Calculus Classroom with Underserved Students *Algebra to AP Calculus*

July 22-23

Give your students the best possible chance of passing the AP exam and End of Course, and ensure success in college-level courses by learning research-proven strategies, activities, and assessment ideas in this 2-day workshop.

NGSS Short Courses

Grades K-12

Strengthen grade-level specific understanding of content and science and engineering practices while experiencing activities as a learner. Examine misconceptions that might hinder concept and practice development, and learn how to design experiences to help students change these misconceptions. Leave each 1-day course with examples, resources, and a deepened understanding of how to implement the NGSS.

Earth Systems: processes that shape the earth *Grades 2 & 4*

June 15

Planning and Carrying Out Investigations

Grades K-2

June 22

Developing and Using Models including Data Analysis and Mathematics and Computational

Thinking *Grades 9-12*

June 29

June 29

Planning and Carrying Out Investigations

Grades 3-5

June 30

Constructing Explanations and Engaging in Argument from Evidence *Grades 4-8*

July 6

Waves *Grades 1 & 4 and Grades 6-8*

July 9 & 10

July 9 & 10

Energy *Grades 6-8*

July 13

Life Science: structure, function, and information processing *Grades 1 & 4*

July 17

Engineering Process and Design *Grades K-5*

July 24

NGSS for Administrators

April 16

Draft a plan for summer curriculum work and professional learning specific to the needs of your school or district. Identify essential considerations for effective implementation of the NGSS and learn what effective implementation look like in a classroom, school, and district.

Elements of Effective Formative Assessment

May 5

This one-day overview outlines the essential infrastructure and other essential elements of formative assessment (learning culture, planning, learning targets, success criteria, talk and questioning, and feedback). See what these elements look like in practice to help support teachers who are incorporating strategies into their classrooms.

Whole School Mathematics Program at a Glance

June 23

Explore tools designed to determine the extent of implementation of the Common Core Mathematic Standards and the Standards for Mathematical Practice within the whole school mathematics program.

Developing a School Culture of Learning

July 13-14

Learn strategies to develop a learning culture that enable students to take ownership of the learning experience, including growth and fixed mindsets, student talk and questioning techniques, and using feedback in this 2-day workshop. Administrators and coaches will learn how to support teachers to meet the exemplary Performance Level in TPGES.