



2019-2020 Course Catalog Middle Grades & Coaching

Middle Grades

Explorations in Reasoning Routines for 6th and 7th Grade

This course provides an opportunity for classroom teachers of students in Grades 6 and 7 to learn strategies and acquire tools to advance students' mathematical reasoning. Aligned to research-based teaching practices and the Kentucky Academic Standards, this course will use instructional routines to give participants specific and repeatable designs for learning that support both the teacher and students in the classroom. Reasoning routines for the middle grades are designed to improve student problem-solving, build crucial mathematical thinking habits and improve classroom discourse.

Cost: \$50

Locations (click to register):

[Madison cohort](#)

Session 1: February 19, 2020 (9:00 am - 4 pm EST)

Session 2: March 17, 2020 (9:00 am - 4 pm EST)

[Hardin cohort](#)

Session 1: February 25, 2020 (9:00 am - 4 pm EST)

Session 2: March 19, 2020 (9:00 am - 4 pm EST)

Foundations for Middle: Grade 8 Boone County

Foundations for Middle: Grade 8 is a four day experience offered in two 2-day sessions. Participants will gain a greater understanding of how to support students in developing algebraic and functional reasoning. This PLE will focus on standards in the Expressions & Equations (EE) and Functions (F) strands.

Participants will:

- Identify Big Ideas embedded in middle school Kentucky Academic Standards for Mathematics and Standards for Mathematical Practice.
- Use instructional strategies to improve critical thinking, problem solving, and classroom discourse.
- Explore evidence-based instructional strategies that can be used to help all students.
- Receive resources such as ready-made activities, manipulatives, books, etc.

Participants should be Kentucky 7th or 8th grade educators and are expected to attend all 4 days of the professional learning experience. Teachers who work with 9th grade students are welcome, but the content focus will be predominantly on 8th grade standards.

Cost: \$100

Location (click to register):

[Boone cohort](#)

Session 1: Feb. 10 (Mon.), 2020 (9:00 am - 4 pm EST)

Session 2: Feb 11, 2020 (9:00 am - 4 pm EST)

Session 3: March 24, 2020 (9:00 am - 4 pm EST)

Session 4: March 25, 2020 (9:00 am - 4 pm EST)

Coaching: Cultures of Mathematical Sense-making

Explorations in Creating Cultures of Mathematical Sense-making: Primary focus

This professional learning experience will provide an opportunity to share thoughts, experiences and ideas with other teachers and interested educators while experiencing a school-wide culture of learning. The experience will include the opportunity to observe students as active learners in problem-centered mathematics lessons across grade levels and discuss the potential of such lessons for deep student learning. Debriefing discussions will focus on how and why different schools might implement effective mathematics lessons structured around rich mathematics problems.

In addition, you will have the opportunity to (i) participate in discussions of the co-planning process that led to the observed lessons, (ii) involve other colleague(s) at your school in your own co-planning process to design a problem centered mathematics lesson intended to help students make sense of math concepts and (iii) share and discuss your experience with other participants. This two-day course will focus on grades K-2.

FREE!

Audience: Elementary teachers, teacher leaders, coaches, administrators

Location: ([click to register](#))

[Pleasant Grove Elementary \(Bullitt County\)](#)

Session 1: October 16, 2019

Session 2: November 13, 2019

Explorations in Creating Cultures of Mathematical Sense-making: Middle Grades focus

This professional learning experience will provide an opportunity to share thoughts, experiences and ideas with other teachers and interested educators while experiencing a school-wide culture of learning. The experience will include the opportunity to observe students as active learners in problem-centered mathematics lessons across grade levels and discuss the potential of such lessons for deep student learning. Debriefing discussions will focus on how and why different schools might implement effective mathematics lessons structured around rich mathematics problems.

In addition, you will have the opportunity to (i) participate in discussions of the co-planning process that led to the observed lessons, (ii) involve other colleague(s) at your school in your own co-planning process to design a problem centered mathematics lesson intended to help students make sense of math concepts and (iii) share and discuss your experience with other participants. This two-day course will focus on grades 6-8.

FREE!

Audience: Middle school teachers, teacher leaders, coaches, administrators

Location: ([click to register](#))

[Foley Middle School \(Madison County\)](#)

Session Dates: January 29, 2020 & March 4, 2020

Session Time: 8:30-3:30 ET

