New Workshop for Algebra Teachers!

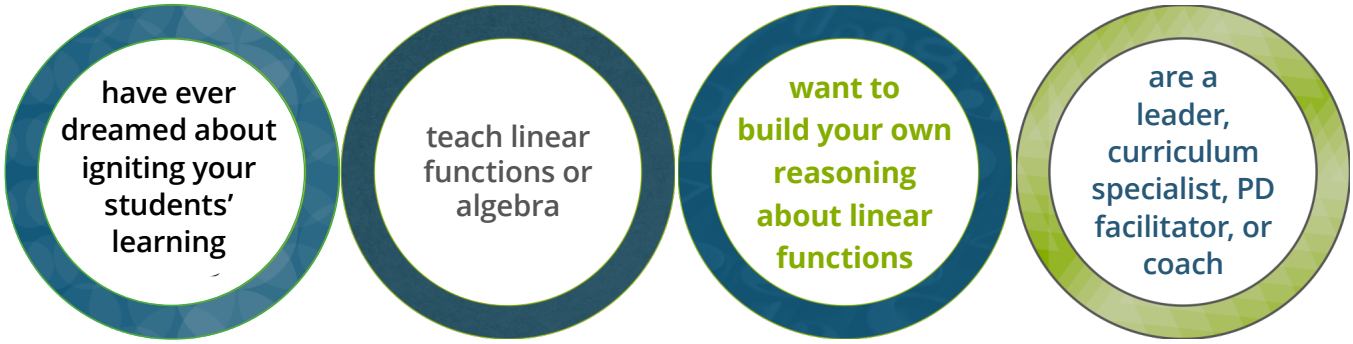
BUILDING POWERFUL LINEAR FUNCTIONS

If not algorithms, then what?

Frustrated . . .

- **by students** who don't know their facts or don't memorize well?
- **by new strategies and models** you're expected to teach?
- **that your students should be more successful** since you are putting in so much effort?

If you . . .



then this workshop is for you!

No matter what stage you're in—developing your own reasoning about linear functions, learning how to construct function reasoning in your students, or perfecting your craft, you'll leave with action steps you can implement immediately.

The workshop is an asynchronous online experience for grades 8-12 teachers and leaders. The workshop is designed to build participants' understanding of linear functions, help participants understand how to build their students' linear functions reasoning, and learn actionable strategies to support and challenge students. The work consists of presentations, discussions, and tasks that are based on video taken at a live 2-day workshop with eighth grade and algebra teachers. There are seven modules that take participants on a path from learning about linear functions and supporting students to develop intuition based on lived experiences. Participants will also study lesson types to construct reasoning and analyze high leverage teacher moves.

More information about Building Powerful Linear Functions
https://www.mathisfigureoutable.com/bplf

Executive Summary

BUILDING POWERFUL LINEAR FUNCTIONS

Workshop Summary:

The workshop is an asynchronous online experience for grades 8-12 teachers and leaders. The workshop is designed to build participants' understanding of linear functions, help participants understand how to build their students' linear functions reasoning, and learn actionable strategies to support and challenge students. The work consists of presentations, discussions, and tasks that are based on video taken at a live 2-day workshop with eighth grade and algebra teachers. There are seven modules that take participants on a path from learning about linear functions and supporting students to develop intuition based on lived experiences. Participants will also study lesson types to construct reasoning and analyze high leverage teacher moves.

WORKSHOP OUTLINE

MODULE 1: Introduction: Linear Functions
MODULE 2: Connecting to Prior Knowledge: Recursion
MODULE 3: Building Relation and Function
MODULE 4: Preparing to Generalize
MODULE 5: Generalizing: The Equation of a Line
MODULE 6: Sequencing Tasks for Students Success
MODULE 7: High-leverage Teacher Moves to Move the Math Forward

TIME COMMITMENT

Each module consists of 4-8 lessons. It takes from 2-4 hours to complete each module. Participants have 16 weeks to finish the workshop. Each module begins with a welcome video to orient participants to the topic and the time commitment they can expect for each lesson. Along the way, there are incentives (such as resource giveaways) to help participants stay on task and finish the workshop.

PARTICIPANT TASKS

Lessons consist of watching video of the live workshop, working problems, predicting student strategies, comparing strategies, representing student thinking, using technology, and analyzing video of expert teaching of algebra students. Participants interact with Pam Harris and other participants on the workshop message boards. Participants submit questions to be answered in a recorded, live Q/A webinar. Each module ends with lessons, tasks, and problems to try in classrooms.

TIME COMMITMENT

$600 for year-long access plus Journey implementation support. Register at URL below.

More information about Building Powerful Linear Functions:
https://www.mathisfigureoutable.com/bplf