



District PD STARTER PACKAGE

Recommended For

Schools and districts that are at the beginning of their journey to improve mathematics teaching and learning for all students.

Package Description

Participants will deepen their understanding of grade-level mathematics content and Wisconsin Standards for Mathematics for a single domain (K-8) or conceptual category (9-12). Learning will focus on how student understanding and skills develop over time. Participants will explore and discuss research-based instructional practices that promote equity and deep understanding of mathematics for all students.

Focus for K-2: Operations and Algebraic Thinking

Focus for 3-5: Operations and Algebraic Thinking

Focus for 6-12: Ratios & Proportional Relationships →
Algebra and Functions

Scheduling

Ready to schedule your professional development? Want to discuss additional topics and options? We want to hear from you! Contact Mathematics Institute of Wisconsin Project Manager Alyssa Holly.

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Package Details

Duration

3 full days

Who Should Attend

Teachers
Coaches
Math Interventionists
Math Leaders
Administrators

Pricing

Starting at \$6,000

Add-Ons/Extensions

Additional PD days

Coaching support for
Teachers and/or Coaches

- ▶ In-person
half-day minimum
- ▶ Virtual
90 min minimum

Planning Support for
Teachers and/or Coaches
(lesson planning, PLC work,
materials consulting)

- ▶ In-person
half-day minimum
- ▶ Virtual
90 min minimum

K-2 Agenda

Focus: Operations and Algebraic Thinking

Day 1

Building a Mathematical Community (K-8/K-12)
Reflecting on Beliefs
Establishing Norms
Discourse through Number Talks

Day 2

Digging in to Grade-Level Standards
Addition & Subtraction Situations
Using Mathematical Representations

Day 3

Digging in to Grade-Level Standards
Developmental Levels of Reasoning
Developing Fluency

K-2 Add-on Extended Learning Options

Day 4

Digging in to Grade-Level Standards
Early Number and Counting
Relationships to Build Number Sense

Day 5

Digging in to Grade-Level Standards
Understanding Equality

3-5 Agenda

Focus: Operations and Algebraic Thinking

Day 1

Building a Mathematical Community (K-8/K-12)
Reflecting on Beliefs
Establishing Norms
Discourse through Number Talks

Day 2

Foundations of Multiplication and Division
A Focus on Equal Groups
Developing Fluency

Day 3

Arrays, Area, and Commutativity
Practicing Fluency
Using Models & Representations to Understand Properties

3-5 Add-on Extended Learning Options

Day 4

Solving Two-Step and Multi-step Problems
Interpreting Remainders
Comparing: A Model for Multiplication & Division

Day 5

Factors, Multiples, and Representations
Writing and Interpreting Numerical Expressions
Graphing Points on a Coordinate Plane

6-12 Agenda

Focus: Ratios & Proportional Relationships → Algebra & Functions

Day 1

Building a Mathematical Community (K-8/K-12)
Reflecting on Beliefs
Establishing Norms
Discourse through Number Talks

Day 2

Digging in to Grade-Level Standards
Ratio & Proportional Reasoning
Exploring Diagrams and Representations for
Ratio & Proportional Reasoning

Day 3

Digging in to Grade-Level Standards
Exploring the Progression of Slope
Connecting Proportional Relationships to
Expressions & Equations and Linear Functions

6-12 Add-on Extended Learning Options

Day 4

Digging in to Grade-Level Standards
Exploring Diagrams and Representations for
Operations with Integers
Extending to Operations with Polynomials & Functions

Day 5

Digging in to Grade-Level Standards
Representations of Functions
Connecting to Other Domains