



# 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

### Grade Levels

K-2, 3-5, or 6-12

### Pricing

Starting at \$9,000

### 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