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

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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

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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