# The DMTI Academy Scope & Sequence

Course materials are designed to reinforce the instructional practices emphasized in DMTI's professional development workshops and provide real classroom examples of the Five Core Practices.

Recommended **prerequisite courses** for all learners:

### DMTI 1

**Five Core Practices** 

Learn DMTI's research-based **framework** built on five powerful practices that deepen understanding, strengthen problem-solving, and raise achievement in any classroom.

# DMTI 2

Six Predictors of Math Ability

Discover the Six Predictors of **Math Success** and see how skills like spatial reasoning, measurement, and transitivity unlock deeper mathematical understanding.



Choose your path based on your goals...

### DMTI 3

**Number Sense** 

### **DMTI 4**

**Addition and** Subtraction

### DMTI 5

**Addition and Subtraction Word Problems** 

### DMTI 6

Multiplication and Division

### DMTI 7

Multiplication and Division Word Problems

### DMTI 8

**Fractions** 

### DMTI 9

**Fluency** 

When instruction goes beyond the script of a teacher's guide and helps students see patterns, use visual models, and explain their thinking, they build real mathematical understanding. That's what leads to confidence, problem-solving skills, and the ability to apply math in new situations.

More Information





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After completing the foundational prerequisite courses, learners are empowered to choose a learning path based on their specific goals.



### **DMTI3**

# Number Sense, Counting, and Place Value

- Experience place value through hands-on, visual, and real-world activities that reveal how numbers truly work.
- Gain ready-to-use strategies to build number sense and confidence with whole numbers and decimals.

### DMTI 4

### **Addition and Subtraction**

- Reimagine addition and subtraction by exploring models, subitizing, and precise math language that make concepts meaningful.
- Gain practical strategies from real classroom examples and videos to boost reasoning and higher-order thinking in your students.

# **DMTI 5**

### **Word Problems for Addition and Subtraction**

- Master different types of word problems and learn how to guide students to the right strategies and reasoning.
- See research in action through classroom videos and hands-on activities
- Build a toolkit to help students succeed in any problem-solving situation.

# **DMTI 6**

### **Multiplication and Division**

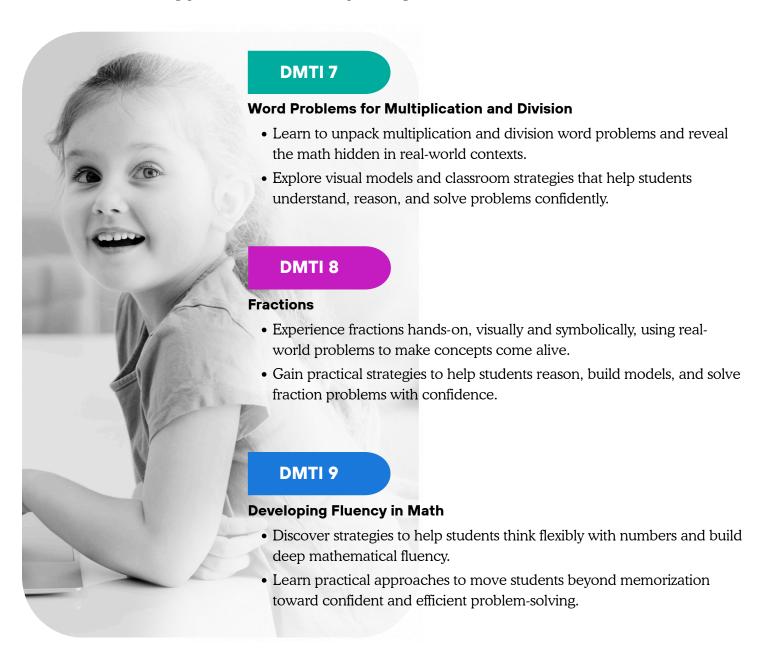
- See multiplication and division come alive through real-world examples and visual models.
- Take away practical strategies to deepen understanding and boost student confidence.

More Information



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After completing the foundational prerequisite courses, learners are empowered to choose a learning path based on their specific goals.



Transform learning with insights grounded in decades of research. Experience the professional development model educators trust—one credited with producing breakthrough, record-setting gains in achievement.

