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PROFESSIONAL LEARNING
PARTNER GUIDE

MMSLN
Michigan Math and Science Leadership Network

Initial Implementation: Professional Learning Engagement

Initial Implementation: Initial training for teachers and school leaders after they purchase a new curriculum on how to use it to support student learning.

This overview represents the services for one client of the professional learning partner.

Please note: this professional learning engagement plan is just part of an overall, comprehensive professional learning plan spanning multiple years. It is designed to provide teachers, coaches, and school & district mathematics leaders with sustained, carefully timed, curriculum-based PL to ensure a robust implementation of their adopted HQIM. Please review this engagement with that in mind and be sure to check out our other PL Engagement plans in our profile to get a complete picture of what we at Michigan Mathematics and Science Leadership Network mean when we say we *partner* with schools and districts to provide HQPL for educators.

Curriculum or Content Area	Illustrative Mathematics
Type of Professional Learning	Initial Implementation
Total Cost Range[1]	Less than $50,000
District Context	This rural district serves just over 1,600 students. Through the *Initial Implementation* professional learning, we served over 100 of 129 full time equivalent (FTE) teachers K–12, their math coaches, and their school & district math leaders. The overall goal of the partnership was to provide all math educators high-quality, curriculum-based professional learning to kick-start their implementation of IM K–12 Math™.

[1] Includes any travel related expenses, etc.

Timing specific days/months or frequency	**Participants**	**Name of PL and format** title, coaching, etc *and* virtual, in-person, hybrid	**Description**
June 26 and 27, 2023	K–5 teachers (half of the K–5 teachers), principals, and math coaches	Illustrative Mathematics Certified Professional Learning: Teach & Learn In-Person	What is a problem-based curriculum and how do I implement it in my classroom? These sessions familiarize teachers with the problem-based lesson structure used in the IM K–5 Math™ curriculum, and explore specific resources in the materials to support this implementation. Teachers will experience a lesson, investigate and reflect on content and language routines, explore various supports, understand assessment materials, and begin to use student thinking as a vehicle for productive planning. They will gain experience navigating the partner website and learn how to find teacher and student materials. After this training, teachers will be ready to begin using IM K–5 Math in their classrooms.
August 2, 2023	District & School math leaders and math coaches, K–12	Illustrative Mathematics Certified Professional Learning: Unit Planning Guide Launch Session for Leaders Virtual	How can teachers and math leaders better understand the coherence of the curriculum and plan for pacing that works with the curriculum and the school calendar? The purpose of the Unit Planning Guides (UPGs) is to provide teachers a structure to study and internalize a unit when they have focused time to plan. UPGs offer teachers an opportunity to understand the progression of understanding for a unit, how

			the unit fits into the larger story of learning, and important features in the content of the unit. Teachers sort activity cards to understand the content of each section in the unit, make sense of representations and mathematical reasoning connected to the learning goals, and explore assessment items to anticipate approaches and strategies students will use. UPGs include facilitator guidance for the person leading the conversation with teachers and additional resources that give leaders insight into the design of the curriculum. ** Requires a one-time purchase of digital materials: Unit Planning Guides with Facilitator and Teacher note pages.
August 24 and 25, 2023	K–5 teachers (other half of the K–5 teachers), principals, and math coaches	Illustrative Mathematics Certified Professional Learning: Teach & Learn In-Person	What is a problem-based curriculum and how do I implement it in my classroom? These sessions familiarize teachers with the problem-based lesson structure used in the IM K–5 Math™ curriculum, and explore specific resources in the materials to support this implementation. Teachers will experience a lesson, investigate and reflect on content and language routines, explore various supports, understand assessment materials, and begin to use student thinking as a vehicle for productive planning. They will gain experience navigating the partner website and learn how to find teacher and student materials. After this training, teachers will be ready to begin using IM K–5 Math in their classrooms.
September 22, 2023	K–5 teachers Grades 1, 4, and	MMSLN Professional Learning:	A MMSLN facilitator leads a session using the pre-purchased Unit Planning Guide documents with teachers.

	5 and math coaches	Preparing to Teach Unit 2 In-Person	
September 25, 2023	K–5 teachers Grades 2, 3, and Kindergarten and math coaches	MMSLN Professional Learning: Preparing to Teach Unit 2 In-Person	A MMSLN facilitator leads a session using the pre-purchased Unit Planning Guide documents with teachers.
September 25, 2023	9–12 teachers and math coaches AGA	MMSLN Professional Learning: Preparing to Teach Unit 2 In-Person	A MMSLN facilitator leads a session using the pre-purchased Unit Planning Guide documents with teachers.
September 26, 2023	6–8 teachers and math coaches	MMSLN Professional Learning: Preparing to Teach Unit 2 In-Person	A MMSLN facilitator leads a session using the pre-purchased Unit Planning Guide documents with teachers.
October 6, 2023	6–12 math teachers and math coaches	Illustrative Mathematics Certified Professional Learning: Valuing Student Thinking and Building Classroom Community In-Person	How can we be curious about and trust student thinking to drive learning? In this session we take a peek into classrooms where student thinking is at the center of teaching and learning. There will be opportunities to use authentic student thinking and consider ways to affirm students' mathematical competence. AND All students, each with unique knowledge and needs, enter the mathematics learning community as capable learners of meaningful mathematics. How do teachers learn about and

			leverage their students' understandings and experiences in order to position and honor each student as a capable learner of mathematics? In this session we will consider structures to build classroom community so that students engage in each phase of the problem-based lesson structure: taking risks, engaging in mathematical discourse, productively struggling through problems, and participating in ways that make their ideas visible.
June 24, 2024	District & School math leaders and math coaches, K–12	Illustrative Mathematics Certified Professional Learning: Curriculum Overview for School Leaders and Observing in a Problem-Based Classroom with the IM Implementation Reflection Tool In-Person	What are the key features of IM K–12 Math and where do we focus as we implement a new curriculum? In this session, school leaders will learn about the important components of a problem-based curriculum, the design structure of IM Math, and key ideas from Teach & Learn. AND What does effective problem-based teaching and learning look and sound like? School leaders will use video to focus on student learning behaviors in a problem-based classroom, make connections between teacher moves and student learning behaviors, and reflect on how to support teaching in a problem-based classroom, grounded in the IM Implementation Reflection Tool (IRT).