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Math: Some of our regular offerings

- CMP2 Math Training
- Collection of Evidence for Math
- First Steps in Mathematics
- Instructional Support Modules
- Mathematical Excellence in the Kindergarten Classroom
- Mathematics Content Series
- Cognitively-guided Instruction



**Serving.
Delivering.
Inspiring.**

Mathematics services at ESD 105 focus on strengthening the instructional core. Our mathematics teachers must have the content and pedagogical skills to provide rigorous and relevant mathematics instruction that ensures *all* students are prepared for the technology-driven society of tomorrow. Students must be prepared to solve problems we have not yet considered and solve them in innovative ways. We help teachers build and expand their skills and develop new methods of instructing students, assessing student learning and using data to design and implement powerful learning programs. ESD 105 believes that the most powerful professional development happens in the classroom, embedded in the work of the teacher. We promote the use of professional learning communities and have the skill and expertise to facilitate these groups.



Mathematics programs at ESD 105

- + **Developing Mathematical Ideas** – DMI helps teachers think through the major ideas of K-7 math and examine how children learn them. Five modules focus on concepts in numbers and operations, geometry, and working with data.
- + **First Steps in Mathematics** – First Steps is a research-based diagnostic tool combined with learning activities to further students' conceptual growth. Teachers gain a framework to help identify individual student understandings and to hone skills in making accurate judgments and decisions about student learning.
- + **Mathematics Coaching Cadre and Teacher Leadership Group** – Math coaches and teacher leaders learn from each other and share experiences in this forum.
- + **Math Content Courses** – This series of classes covers a variety of topics to help teachers deepen their mathematical content knowledge.
- + **Math Helping Corps** – This program provides a coach to work intensively with building staff to expand knowledge of effective mathematics instructional strategies toward helping increase student proficiency in math.
- + **Building Teacher Leadership and On-site Coaching** – The professional learning community model is used to support a variety of levels of coaching and teacher leadership. The work focuses on accountable talk and incorporating robust mathematical discourse into classrooms.
- + **Migrant Education Math Curriculum** – Specialists from our Migrant Education Regional Office (MERO) are available to assist educators with learning strategies and workshops specifically designed for migrant students.
- + **Transition Mathematics Project** – TMP is a partnership between high schools and higher education to increase the number of high school students who are mathematically college ready when they enroll in a higher learning institution.