



Pre-K and Kindergarten Math

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Growing Young Mathematicians



The *Teaching Math to Young Children* practice guide is organized around five main recommendations, each supported by a set of **clear, action-oriented steps** teachers can use in their classrooms.

5 Evidence-Based Recommendations for Teaching Math to Young Children



Recommendation 1:

Teach number and operations using a developmental progression.

Provide children with opportunities to subitize small collections, practice counting, compare the magnitude of collections, and use numerals to quantify collections before moving on to simple arithmetic problems.

Recommendation 2:

Teach geometry, patterns, measurement and data analysis using a developmental progression

Teach children to recognize and compare shapes, identify and create patterns, make direct comparisons using measurement tools, and collect and organize information.

Recommendation 3:

Use progress monitoring to ensure that math instruction builds on what each child knows.

Determine children's current level of math knowledge based on a developmental progression, and then use the information about children's skills to tailor instruction.

Recommendation 4:

Teach children to view and describe their world mathematically.

Use informal methods to represent math concepts generally before linking to formal vocabulary and symbols. Open-ended questions and math conversation encourages applying math to the everyday situations.

Recommendation 5:
Dedicate time each day to teaching math, and integrated math instruction throughout the school day.

Deliberately set aside time each day to teach math and look for opportunities to incorporate math across the curriculum.

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