

Everyday Mathematics (EM4) Overview

EM4 guidelines that **help children build a strong mathematical foundation** in their elementary years:

- > **Develop conceptual understanding and problem-solving skills** v. straight procedures & calculations.
- > Use everyday situations.
- > **Link past experiences to new concepts and provide for ongoing, spaced review.**
- > Include hands-on activities & explorations; utilize partners & small groups.
- > **Build fact power through daily oral practice, conceptual activities, and games.**
- > **Encourage use and sharing of multiple strategies.**
- > Encourage home-school partnerships.

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Four Elements of Everyday Mathematics Curriculum

EM4 is a **research-based and field-tested curriculum** that focuses on developing children's understandings and skills to build mathematical power.

The Everyday Mathematics curriculum emphasizes:

- > **Concrete, real-life examples** that are meaningful.
- > **Repeated exposure to mathematical concepts and skills** to develop children's ability to recall knowledge from long-term memory.
- > **Frequent practice of basic computation skills** to build mastery of procedures and quick recall of facts
- > Use of **multiple methods and problem-solving strategies**

Understanding
& Proficiency

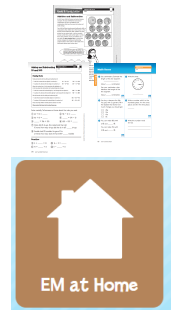
Spiral
Math Boxes

Fact Cards
Math Games

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• Family Letter

Unit 5: Family Letter

Addition and Subtraction

In Unit 5 your child will review and extend money concepts. The class will find the total value of combinations of coins, find different coin combinations that have the same total value, and make change.

Your child will also develop mental arithmetic skills, or computations that children do in their heads. As they develop mental arithmetic skills, children may draw pictures or use various tools—such as counters, money, number lines, and number grids—to help them solve problems. In this unit children use a new tool, the **open number line**, to record their mental strategies for adding and subtracting 2-digit numbers. Home Link 5-7 will include more information about open number lines.

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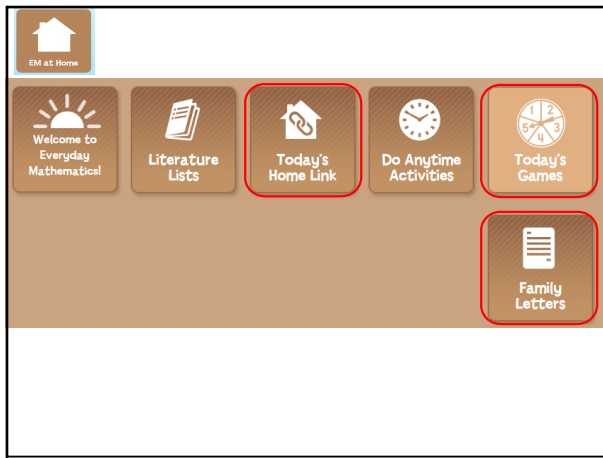
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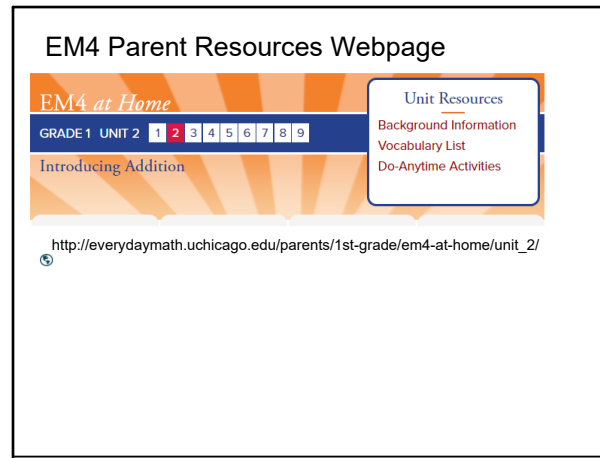
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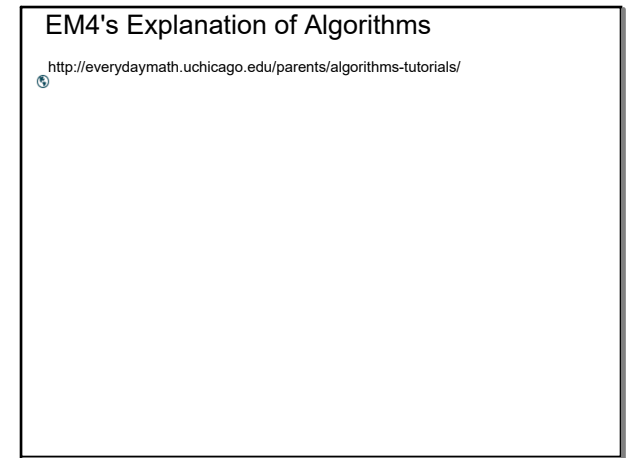
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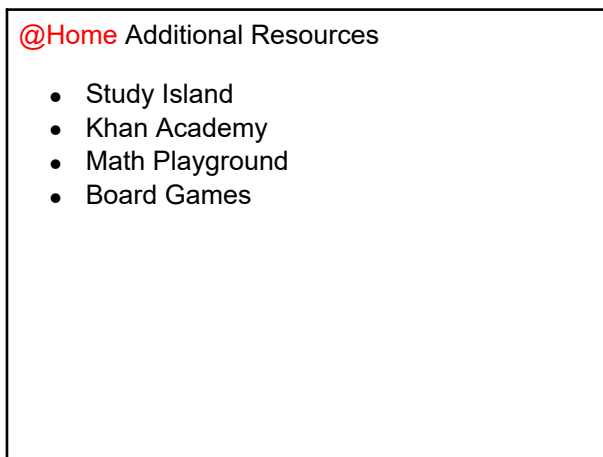
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