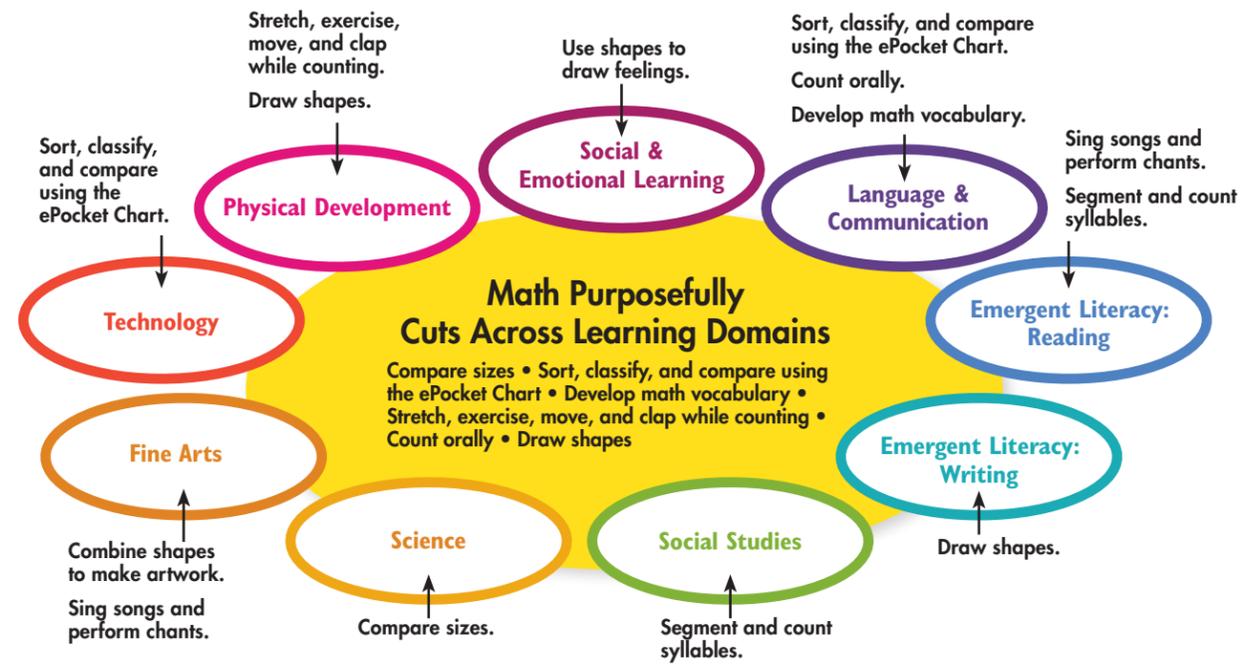


# Mathematics & Science

## Connected Instruction and Practice



“ ...Early math instruction is not limited to a specific period or time of day in prekindergarten. Instead it is a natural part of any quality prekindergarten learning environment. ”

—Texas Prekindergarten Guidelines, p. 87



### Math Lap Books

#### Build Conceptual Understandings

Designed as an instructional tool written specifically for PreK.

- Introduces, models, and teaches concepts and skills.
- Teaches thinking and conceptual understanding rather than rote learning.
- Encourages talking, thinking, and problem-solving in multiple ways.



### Developing Number Sense

#### What Does It Mean to “Count On”?

Ready to Advance and Listos y adelante use research-based routines to teach key math and science concepts.

- Teaches number sense instead of rote memorization.
- Includes chants connecting to oral language.
- Uses manipulatives and visualization to establish meaning.



Key research-based instructional routines such as Counting On are also available in a quick-reference flipbook.

### Science

#### Discovery, Exploration, Connection

Science is explored with hands-on discovery activities that connect to unit themes and concepts.

- Develops scientific thinking and language.
- Includes built-in experiments followed by purposeful oral language development.
- Teaches science concepts through purposeful play.



### Multisensory Tools

Hands-on tools provide concrete experiences of math and science exploration.

