

Measurement

- Children can explore size, length, height, and weight of objects. Toddlers can compare objects by size. Ask them to sort objects from smallest to largest.

Counting

- When you count, point out how amounts change when you add or remove objects. This helps with the concept of addition and subtraction. Count objects found in nature. At the playground, count the little kid swings and big kid swings. Then count the two groups of swings **all together**.



STEM



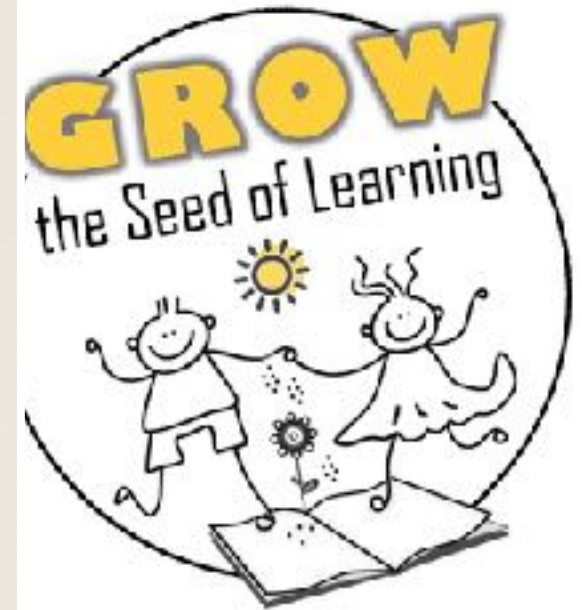
Spatial Relations

- Children develop spatial relations skills as they explore and learn to compare shape and sizes of objects, space and position like **on top of** and **under**, and direction and movement. Talk about shapes by cutting cheese into a triangle. Point to shapes in the world around you. Talk about a stop sign, the color red, and the shape octagon with eight sides.

Engineering Concepts

- Children can build and explore design structures. Create a ramp with a cardboard box. Place different materials at the top of the box to see what they will do. Some may roll, while others will slide. Talk about attributes of the objects that roll and slide.

GROW THE SEED OF



Science

www.planttheseedoflearning.org





Earth, Physical, and Life Science

- Start with basic science skills like **observation** and **prediction**.
- Encourage toddlers to use all their senses. Ask open-ended questions. "What does it look like? Feel like? Smell like? Sound like?" Experiment with color by mixing paint together. "I wonder what color we will make."

Technology

- Explore technology by observing and using simple machines and tools.
- Let children explore tools such as spoons, forks, or shovels.

www.2.ed.gov

STEM

Children are naturally inquisitive learners. Exposing them to science, technology, engineering, and math at an early age will develop a solid foundation for learning. Research shows that having a strong foundation in early math, can lead to higher achievement in both math and reading later in school. Develop STEM through exploration and play to foster problem-solving skills.

STEM TALK:

Use books:

- **During reading time use STEM language. Count objects on a page or locate shapes.**



STEM TALK:

Observe together:

- **"We can make a pattern with cars. How many red cars all together?"**



STEM TALK:

Follow the Child's Lead:

- **If they are interested in talking about dolls, count the dolls legs and arms. Talk about the shape of the doll's eyes, and compare the size of the doll to other toys.**

