

# Developmental Milestones: Cognitive/Science & Engineering

*Child demonstrates basic knowledge of measurement skills*

**These observations involve the following developmental skills:**

- Sorting & classifying
- Thinking, reasoning & problem-solving
- Language & communication
- Visual discrimination
- Compares & contrasts
- Understands & draws conclusions

# Developmental Milestones: Cognitive/Science & Engineering

*Child creates walls, boxes, and enclosed spaces during block building*

**These observations involve the following developmental skills:**

- Spatial awareness
- Hand dexterity and strength
- Creative development
- Concentration; focus
- Self-confidence
- Visual discrimination
- Thinking, reasoning & problem-solving

# Developmental Milestones: Cognitive/Science & Engineering

*Child builds with increasing complexity (patterns, decorations, and/or symmetry)*

**These observations involve the following developmental skills:**

- Spatial awareness
- Hand dexterity, strength, and control
- Creative development
- Concentration; attention span
- Self-confidence
- Visual discrimination
- Thinking, reasoning & problem-solving

# Developmental Milestones: Cognitive/Science & Engineering

*Child understands the difference between living and nonliving things*

**These observations involve the following developmental skills:**

- Sorting & classifying
- Thinking, reasoning & problem-solving
- Language & communication
- Compares & contrasts
- Understands & draws conclusions

# Developmental Milestones: Cognitive/Science & Engineering

*Child is familiar with scientific topics regarding Earth & Space*

**These observations involve the following developmental skills:**

- Scientific inquiry & vocabulary
- Recalling information
- Receptive & expressive language
- Thinking, reasoning, & problem-solving
- Observations & development of hypothesis

# Developmental Milestones: Cognitive/Science & Engineering

*Child uses the five senses to explore scientific investigations*

**These observations involve the following developmental skills:**

- Scientific inquiry; questioning
- Scientific investigation
- Exploration of objects, materials, & concepts
- Comparison & classification
- Observation & recording
- Sharing ideas; communication
- Problem-solving
- Self-awareness