

## DOMAIN 1: APPROACHES TO LEARNING AND COGNITIVE DEVELOPMENT

### SUB-DOMAIN: COGNITION AND COGNITIVE PROCESSES

#### REASONING AND LOGIC

#### GOAL 8: CHILDREN DEMONSTRATE AWARENESS OF CAUSE AND EFFECT RELATIONSHIPS.

Age Range	Developmental Growth	Child Indicators	Caregiver Strategies
<p><b>16 to 38 Months</b></p>	<p>Explores cause and effect with people, objects, and settings.</p>	<ul style="list-style-type: none"> <li>▪ Observes others' actions to see the effect they have on objects and people.</li> <li>▪ Uses variety of everyday objects and items as tools for exploration (containers, switches, doors, blocks, wagons).</li> <li>▪ Experiments with the effect of own actions on objects and people.</li> <li>▪ Learns to anticipate an adult's response to an action.</li> <li>▪ Understands "no," and controls actions at times.</li> <li>▪ Knows playing with certain desirable or forbidden objects gets adult attention.</li> <li>▪ Predominately uses "Why?" to ask questions even though the child may actually be asking "Who?" "What?" "Where?" "How?" or "When?"</li> <li>▪ Repetitively uses fill/dump, build up/knock down, and push/pull strategies.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Offer expressions of surprise, delight, and concern, in addition to words that describe reactions to cause and effect situations.</li> <li>▪ Provide explicit explanations for cause and effect (e.g. when child touches something hot, you say, "No touch - HOT!").</li> <li>▪ Play games with facial expressions and hand movements such as "If You're Happy and You Know It," or "Wheels on the Bus."</li> <li>▪ Play with and manipulate different materials, such as water, sand, and paint so child can see changes.</li> <li>▪ Provide opportunities for child to experiment with common everyday objects to see outcomes (e.g. turning lights on and off, filling and emptying a cup, using an umbrella when it is raining).</li> <li>▪ Describe how objects change because of an action (e.g. soap turns to bubbles when we wash hands, sand spreads out when poured from a cup, egg whites turn from clear to white when cooked).</li> <li>▪ Provide experiences with sand, water, and moveable toys.</li> <li>▪ Include child in routine tasks where cause and effect is obvious (e.g. putting clothes in and taking clothes out of the dryer, watering plants with a bucket, or washing potatoes and carrots).</li> </ul>