

**DOMAIN 1: APPROACHES TO LEARNING AND COGNITIVE DEVELOPMENT****SUB-DOMAIN: COGNITION AND COGNITIVE PROCESSES****REASONING AND LOGIC/ PROBLEM SOLVING****GOAL 12: CHILDREN USE CONJECTURE, HYPOTHESIZING, AND GUESSING.**

Age Range	Developmental Growth	Child Indicators	Caregiver Strategies
<b>36 to 60 Months</b>	Uses a repertoire of thinking and language skills for testing ideas about things and relationships.	<ul style="list-style-type: none"> <li>▪ Asks questions to get more information about why something happens.</li> <li>▪ Explains the effects that simple actions have and their outcomes.</li> <li>▪ Recognizes which object or element of an object causes the effect in simple relationships.</li> <li>▪ Answers "what next" questions.</li> <li>▪ Holds more than one attribute in mind.</li> <li>▪ Becomes aware that other people can have different ideas or thoughts from their own.</li> <li>▪ Categorizes objects into groups.</li> <li>▪ Makes, recognizes, and extends patterns.</li> <li>▪ Uses less magical thinking and more thinking about causation and planned actions.</li> <li>▪ Uses "why" more than other question words, to ask questions as they hypothesize.</li> <li>▪ Begins to correctly use "Who," "What," "Where," and "When" to gain information to form hypothesis.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Use child-centered play, for the child to discover and practice cause and effect, where the adult direction is limited.</li> <li>▪ Support cause and effect activities by asking extending questions (e.g. "What do you think will happen next?"), or offering another prop or problem statement into the activity.</li> <li>▪ Help child know when to use "wh" questions; "Why," "Who," "What," "Where," and "When."</li> <li>▪ Enrich the environment with enough open-ended materials and time for exploration (blocks, water table, outdoors, sand, and digging tools).</li> <li>▪ Pose questions when children are experimenting (e.g. "What do you think will happen if..." "Can you make that happen again?").</li> </ul>