

**DOMAIN 1: APPROACHES TO LEARNING AND COGNITIVE DEVELOPMENT****SUB-DOMAIN: COGNITION AND COGNITIVE PROCESSES****REASONING AND LOGIC/ PROBLEM SOLVING****GOAL 11: CHILDREN FIND MULTIPLE SOLUTIONS TO QUESTIONS, TASKS, PROBLEMS, AND CHALLENGES, INCLUDING TRIAL AND ERROR.**

Age Range	Developmental Growth	Child Indicators	Caregiver Strategies
<b>60 Months through Kindergarten</b>	Uses past experiences, current information, and flexible thinking for problem solving.	<ul style="list-style-type: none"> <li>▪ Works in a group to find a solution; building on the group's problem-solving strategies.</li> <li>▪ Predicts when something might be a problem or challenge (puzzle may be hard to do).</li> <li>▪ Discusses and sometimes argues about ideas to solve a problem.</li> <li>▪ Can play logic, prediction, and strategy games such as checkers or Connect Four.</li> <li>▪ Can revise ways of doing things or change perspective given additional information.</li> <li>▪ Identifies several strategies to solve a problem or begin a complex task.</li> <li>▪ Explains part, or all of the problem when asking for help.</li> <li>▪ Tries several strategies to solve a problem. Child might want help from peer or adult.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Pose solvable problems to child and provide opportunities for child to find solutions.</li> <li>▪ Present the pros and cons of different solutions; encouraging child to help identify the best solution.</li> <li>▪ Provide opportunities for child to work with other children and adults to find solutions to the problems.</li> <li>▪ Offer vocabulary to help child ask questions and pose solutions.</li> <li>▪ Offer a variety of materials and tools that encourage thinking of new problems or resolving current problems.</li> <li>▪ Encourage taking more than one point of view in discussions and group activities.</li> <li>▪ Offer structured experiments in daily lesson planning.</li> </ul>