

DOMAIN 4: GENERAL KNOWLEDGE**SUB-DOMAIN: SCIENCE****SCIENTIFIC INQUIRY****GOAL 42: CHILDREN OBSERVE, DESCRIBE, AND COLLECT INFORMATION BY EXPLORING THE WORLD AROUND THEM.**

Age Range	Developmental Growth	Child Indicators	Caregiver Strategies
<p>6 to 18 Months</p>	<p>Observes events, actions, objects and people. Responds non-verbally and with one word responses to comments and reactions of, others, and shows preferences for people, events, actions, and objects.</p>	<ul style="list-style-type: none"> ▪ Focuses on familiar and unfamiliar faces, familiar and novel objects in different environmental settings (including plants and animals), and events. ▪ Notices and begins to express individual wants and preferences. ▪ After repeated exposure to the same toys and objects, explores novel ways of using the materials. ▪ Integrates simultaneous use of more than one sense (e.g. uses sight, touch, and hearing by looking at and shaking a toy to hear its sound). ▪ Notices and uses sounds or one word to label objects and events in the environment. ▪ Seeks indoor and outdoor environments for play and exploration. ▪ Explores natural objects such as water, leaves, rocks, sand, mud, sun, rain, and clouds. ▪ Explores living things using multiple senses (e.g. scent of flower, rough texture of tree bark). ▪ With assistance, shows awareness of object permanence. 	<ul style="list-style-type: none"> ▪ Provide space, time, and materials for child to explore (e.g. place child on floor with open-ended toys such as blocks, containers, pots and pans, sand, mud, and water). ▪ Provide sensory materials for child to explore (e.g. water, foods with varying textures, ice cubes, and pudding on a tray). ▪ Safeguard the environment; maximizing freedom for exploration indoors and outdoors. ▪ Respect child's explorations without predetermined outcomes or expectations. ▪ Talk about what the child is experiencing (e.g. "There is bright sunshine on your face."). ▪ Model language that is both labeling and descriptive to encourage children to give names to observable natural events ("Leaves!" "Falling leaves."). ▪ Support and encourage child's words and sounds for exploring items and situations by smiling, nodding, and repeating the child's words. ▪ Read a variety of picture books with real-life photos or drawn/painted illustrations of familiar and unfamiliar living and nonliving things, and encourage child to point to and describe. ▪ Provide opportunities to play jointly with caregivers, other children, and objects.