

Early Scientific Inquiry						Science	
	0-6 months	6-12 months	12-18 months	18-24 months	24 to 36 months	3 to 4 years	4 to 5 years
Learning Progression	Indicators This is evident, for example, when children:	Indicators This is evident, for example, when children:	Indicators This is evident, for example, when children:	Indicators This is evident, for example, when children:	Indicators This is evident, for example, when children:	Indicators This is evident, for example, when children:	Indicators This is evident, for example, when children:
Strand A: Early learning experiences will support children to apply scientific practices.							
Questioning and Defining Problems	See Curiosity and Initiative learning progression in Cognition	S.24.1 Observe and make comments on things observed through the senses	S.36.1 Ask simple questions related to things observed through the senses ("what" and "why")	S.48.1 Ask more detailed questions including the relationship between two things or cause and effect relationships	S.60.1 Define a problem to be solved, including details and limitations to be considered (e.g., "We need to figure out how to reach that shelf, but we aren't allowed to stand on the chairs.")		
Investigating	See Cause and Affect learning progression in Cognition	S.36.2 Manipulate materials and comment on the impact of own actions	S.48.2 Intentionally vary actions in order to observe the effect of these actions on materials	S.60.2 Engage in collaborative investigations to describe phenomena or to explore cause and affect relationships	S.60.3 Gather data by drawing, counting or otherwise documenting observations		
Using Evidence	See Personal Preferences learning progression in Social and Emotional Development	S.36.3 Provide personal reasons or evidence for decisions or opinions (e.g., "I made this picture green because my mom likes green.")	S.48.3 Cite examples to support their ideas (e.g., "I think the plant will die because when I forgot to water my plant it died.")	S.60.4 Give evidence from observations or investigations	S.60.5 Begin to distinguish evidence from opinion		
Strand B: Early learning experiences will support children to engage in the process of engineering.							
Design Cycle			S.36.4 Gather information to help determine if something has been designed by humans	S.48.4 Identify a problem and, with adult assistance design a solution (e.g., device or process) to address that problem	S.60.6 Identify a problem and, with adult assistance, design a solution, test and refine design elements		

Strand C: Early learning experiences will support children to understand patterns, process and relationships of living things.						
	0-6 months	6-12 months	12-18 months	18-24 months	24 to 36 months	3 to 4 years
Unity and Diversity of Life				S.24.2 Explore characteristics of different plants and animals	S.36.5 Observe features of plants and animals and explore function of features	S.48.5 Compare and contrast basic features of living things (e.g., body parts and their uses) between and across groups S.48.6 Recognize changes in living things over their lifespan by observing similarities and differences between babies and adults
				S.24.3 Observe living things	S.36.6 Observe how a variety of living things obtain food as a source of energy for surviving	S.48.7 Explore how animals depend upon the environment for food, water and shelter
Living Things and Their Interactions with the Environment and Each Other						S.60.7 Group and classify living things based upon features, providing evidence to support groupings S.60.8 Demonstrate an understanding of how living things grow and change through predictable stages (e.g., birth, growth, reproduction, death)
						S.60.9 Provide examples of how animals depend on plants and other animals for food
Strand D: Early learning experiences will support children to understand physical sciences.						
Energy, Force and Motion				S.24.4 Use trial and error to explore the way different objects move	S.36.7 Observe different ways objects move (e.g., roll, bounce, spin, slide) and what happens when they interact (collide)	S.48.8 Investigate how objects' speed and direction can be varied
						S.60.10 Make predictions and conduct simple experiments to change direction, speed and distance objects move S.60.11 Determine cause and effect of push/pull/collision that make objects, start, stop and change direction

Strand D: Early learning experiences will support children to understand physical sciences (continued)							
	0-6 months	6-12 months	12-18 months	18-24 months	24 to 36 months	3 to 4 years	4 to 5 years
Matter and its Properties				S.24.5 Observe simple attributes of materials (e.g., hard, soft)	S.36.8 Observe and describe attributes of materials that are related to their function (e.g., flexibility, transparency, strength)	S.48.9 Compare and contrast attributes of common materials related to their function (e.g., flexibility, transparency, strength)	S.60.12 Evaluate the appropriateness of a material for a given purpose based upon its properties S.60.13 Observe how heating and cooling cause changes to properties of materials (e.g., ice melts when we bring it inside. Plastic becomes brittle when it is left outside in the cold.)
Strand E: Early learning experiences will support children to understand features of earth.							
Earth's Features and the Effects of Weather and Water				S.24.6 Observe natural features of the earth (e.g., land, rain)	S.36.9 Describe common features of the earth (e.g., sky, land and water) and what is found there (e.g., birds, fish, stars)	S.48.10 Observe, record, and note patterns regarding weather and the effects on the immediate environment (e.g., Rain over a period of days causes flooding. Sunny days cause the flower bed to dry out.)	S.60.14 Give examples of ways in which weather variables (hot/cold temperatures, amount and intensity of precipitation, wind speed) affect us and/or cause changes to earth's features (e.g., The stream has greater water flow after snow melts.)
						S.48.11 Investigate how water interacts with other earth materials (e.g., sand, dirt, pebbles)	
Earth and Human Activity				S.24.7 Talk about different foods humans eat	S.24.10 Give examples of natural resources that humans use to survive (e.g., food, water)	S.48.12 Investigate how humans use design solutions to adapt natural resources to meet basic needs (e.g., cut trees to build houses, make applesauce out of apples)	S.60.15 Explore how humans' use of natural resources impacts the environment (e.g., if we catch all the salmon, this can no longer be a food source. Cutting down trees can cause erosion.)