Desired Results Developmental Profile (2015) [DRDP (2015)] Correspondence to California Foundations: Cognition, Including Math and Science (COG) and the California Preschool Learning Foundations (PLF)

A comparison between the DRDP (2015) Cognition (COG) measures and the California Preschool Learning Foundations indicates a high level of correspondence in content. The DRDP COG measures assess key concepts, skills, and behaviors described in the foundations, particularly in the domains of math and science. As indicated in the table below, each of the COG measures corresponds with a key foundation or a set of foundations with a similar focus. For example, the DRDP measure Number Sense of Quantity (COG 3) embeds foundational skills related to understanding number and quantity (e.g., one-to-one correspondence, cardinality). Similarly, the COG measures Patterning, Classification, and Measurement each addresses key abilities described in the foundations for these areas. Some COG measures, such as Cause and Effect, Inquiry Through Observation and Investigation, and Knowledge of the Natural World, focus on fundamental skills and understandings that underlie the learning and development of scientific concepts and skills represented in science foundations across different sub-domains. The COG measures contain no explicit reference to the math foundation on identifying positions of objects and objects in space (Geometry 2.1) and the science foundation on caring and respecting the environment (Earth Science 2.4). Overall, the DRDP measures in Cognition assess the development of key concepts, skills, and behaviors addressed in the Preschool Learning Foundations in the math and science domains.

Correspondence between the DRDP (2015) and the California Preschool Learning Foundations

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:
COG 1: Spatial Relationships	Mathematics: Geometry		This is a conditional measure on the DRDP (2015) Preschool View. It is recommended for
Definition: Child increasingly	At around 48 months	At around 60 months	preschool children when the information
shows understanding of how objects move in space or fit in different spaces	Children begin to understand positions in space.	Children expand their understanding of positions in space.	would be useful for documenting progress or planning the child's learning activities and supports.
	2.1 Identify positions of objects and people in space, such as in/on/ under, up/down, and inside/outside.	No corresponding DRDP COG measure.	Also see alignment to I/TLDF. Child develops understanding of positions in space (Geometry 2.1, at around 48 months).

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:
COG 2: Classification	Mathematics: Algebra and Functions		Child develops ability to sort objects by their
Definition: Child shows an increasing ability to compare,	48 months	60 months	attributes (Algebra and Functions 1.1).
increasing ability to compare, match, and sort objects into groups according to their attributes	Children begin to sort and classify objects in their everyday environment. 1.1 Sort and classify objects by one attribute into two or more groups, with increasing accuracy.	Children expand their understanding of sorting and classifying objects in their everyday environment. 1.1 Sort and classify objects by one or more attributes, into two or more groups, with increasing accuracy (e.g., may sort first by one attribute and then by another attribute).	
	Mathematics: Mathematical Reasoning		Child develops the ability to sort objects into
	48 months	60 months	two or more groups (Mathematical Reasoning 1.1).
	Children use mathematical thinking to solve problems that arise in their everyday environment. 1.1 Begin to apply simple mathematical strategies to solve problems in their environment.	Children expand the use of mathematical thinking to solve problems that arise in their everyday environment. 1.1 Identify and apply a variety of mathematical strategies to solve problems in their environment.	

DRDP (2015) Measure	California Preschool Lea	erning Foundations (PLF)	Measure Corresponds with PLF in the Following Ways:
COG 3: Number Sense of Quantity Definition: Child shows developing understanding of number and quantity	Mathematics: Number Sense 48 months 60 months		Child recites numbers one through ten with increasing accuracy (Number Sense 1.1).
	Children begin to understand numbers and quantities in their everyday environment.	Children expand their understanding of numbers and quantities in their everyday environment.	Child develops the ability to use number names in situations related to number and quantity (Number Sense 1.2). Child develops the ability to identify quantities up to three without counting
	1.1 Recite numbers in order to ten with increasing accuracy.	1.1 Recite numbers in order to twenty with increasing accuracy.	(Number Sense 1.3). Child develops the ability to count up to five objects (Number Sense 1.4).
	1.2 Begin to recognize and name a few written numerals.	1.2 Recognize and know the name of some written numerals.	Child shows understanding that the last number counted is the total number of objects in the group (Number Sense 1.5).
	1.3 Identify, without counting, the number of objects in a collection of up to three objects (i.e., subitize).1.4 Count up to five objects, using one-to-one	1.3 Identify, without counting, the number of objects in a collection of up to four objects (i.e., subitize). 1.4 Count up to ten objects, using one-to-one correspondence (one object	
	correspondence (one object for each number word) with increasing accuracy.	for each number word) with increasing accuracy. 1.5 Understand, when	
	1.5 the number name of the last object counted to answer the question, "How many ?"	counting, that the number name of the last object counted represents the total number of objects in the group (i.e., cardinality).	

DRDP (2015) Measure	California Preschool Lea	rning Foundations (PLF)	Measure Corresponds with PLF in the Following Ways:
COG 3: Number Sense of Quantity (continued) Definition: Child shows developing understanding of number and quantity	Children begin to understand number relationships and operations in their everyday environment.	Children expand their understanding of number relationships and operations in their everyday environment.	Child solves simple everyday problems involving numbers and identifies small quantities without counting (Number Sense 2.1).
	2.1 Compare visually (with or without counting) two groups of objects that are obviously equal or nonequal and communicate, "more" or "same."	2.1 Compare, by counting or matching, two groups of up to five objects and communicate, "more," "same as," or "fewer" (or "less").	
COG 4: Number Sense of	Mathematics: Number Sense		Child compares small quantities (Number
Math Operations	48 months	60 months	Sense 2.1).
Definition: Child shows increasing ability to add and subtract small quantities of objects	Children begin to understand number relationships and operations in their everyday environment. 2.1 Compare visually (with or without counting) two groups of objects that are obviously equal or nonequal and communicate, "more" or "same." 2.2 Understand that adding to (or taking away) one or more objects from a group will increase (or decrease) the number of objects in the group.	Children expand their understanding of number relationships and operations in their everyday environment. 2.1 Compare, by counting or matching, two groups of up to five objects and communicate, "more," "same as," or "fewer" (or "less"). 2.2 Understand that adding one or taking away one changes the number in a small group of objects by exactly one.	Child demonstrates understanding that adding objects makes more and taking away objects makes fewer (Number Sense 2.2).

DRDP (2015) Measure	California Preschool Lea	rning Foundations (PLF)	Measure Corresponds with PLF in the Following Ways:
COG 4: Number Sense of Math Operations (continued) Definition: Child shows increasing ability to add and subtract small quantities of objects	Children begin to understand number relationships and operations in their everyday environment. (continued) 2.3 Understand that putting two groups of objects together will make a bigger group. 2.4 Solve simple addition and subtraction problems nonverbally (and often verbally) with a very small number of objects (sums up to 4 or 5).	Children expand their understanding of number relationships and operations in their everyday environment. (continued) 2.3 Understand that putting two groups of objects together will make a bigger group and that a group of objects can be taken apart into smaller groups. 2.4 Solve simple addition and subtraction problems with a small number of objects (sums up to 10), usually by counting.	Child demonstrates understanding that adding objects to a group makes more (Number Sense 2.3). Child uses counting to identify the new number of objects after one to two objects are added or removed from a set of two to four objects (Number Sense 2.4).
	Mathematics: Mathematical Reasoning		Child uses counting to identify the new
	48 months	60 months	number of objects after one object is added or removed (Mathematical Reasoning 1.1).
	Children use mathematical thinking to solve problems that arise in their everyday environment. 1.1 Begin to apply simple mathematical strategies to solve problems in their environment.	Children expand the use of mathematical thinking to solve problems that arise in their everyday environment. 1.1 Identify and apply a variety of mathematical strategies to solve problems in their environment.	

DRDP (2015) Measure	California Preschool Lea	arning Foundations (PLF)	Measure Corresponds with PLF in the Following Ways:
COG 5: Measurement	Mathematics: Measurement		Child shows understanding of measurable
Definition: Child shows an increasing understanding of measurable properties such as size, length, weight, and capacity (volume), and how to quantify those properties	48 months	60 months	properties and may describe or identify differences in size, weight, and capacity
	Children begin to compare and order objects. 1.1 Demonstrate awareness that objects can be compared by length, weight, or capacity, by noting gross differences, using words such as bigger, longer, heavier, or taller, or by placing objects side by side to compare length. 1.2 Order three objects by size.	Children expand their understanding of comparing, ordering, and measuring objects. 1.1 Compare two objects by length, weight, or capacity directly (e.g., putting objects side by side) or indirectly (e.g., using a third object). 1.2 Order four or more objects by size.	(Measurement 1.1). Child orders three or more objects by directly comparing them (Measurement 1.2).
	Mathematics: Mathematical Reasoning		Child applies mathematical strategies to solve
	48 months	60 months	problems in the environment by identifying differences in size, length, weight, or capacity
	Children use mathematical thinking to solve problems that arise in their everyday environment. 1.1 Begin to apply simple	Children expand the use of mathematical thinking to solve problems that arise in their everyday environment.	(Mathematical Reasoning 1.1).
	mathematical strategies to solve problems in their environment.	1.1 Identify and apply a variety of mathematical strategies to solve problems in their environment.	

DRDP (2015) Measure	California Preschool Lea	arning Foundations (PLF)	Measure Corresponds with PLF in the Following Ways:
COG 6: Patterning Definition: Child shows an increasing ability to recognize,	Mathematics: Algebra and Functions		Child matches simple sequences that are seen, heard, or experienced (Algebra and
	48 months	60 months	Functions 2.1).
reproduce, and create patterns of varying complexity	Children begin to recognize simple, repeating patterns.	Children expand their understanding of simple,	Child attempts to create simple repeating patterns (Algebra and Functions 2.2).
	2.1 Begin to identify or recognize a simple repeating pattern.	repeating patterns. 2.1 Recognize and duplicate simple repeating patterns.	
	2.2 Attempt to create a simple repeating pattern or participate in making one.	2.2 Begin to extend and create simple repeating patterns.	
COG 7: Shapes	Mathematics: Geometry		Child identifies or names several shapes
Definition: Child shows an	48 months	60 months	(Geometry 1.1).
increasing knowledge of shapes and their characteristics	Children begin to identify and use common shapes in their everyday environment. 1.1 Identify simple two-dimensional shapes, such as a circle and square. 1.2 Use individual shapes to represent different elements of a picture or design.	Children identify and use a variety of shapes in their everyday environment. 1.1 Identify, describe, and construct a variety of different shapes, including variations of a circle, triangle, rectangle, square, and other shapes. 1.2 Combine different shapes to create a picture or design.	Child recognizes and matches similar shapes and distinguishes them from dissimilar shapes (e.g., chooses blocks of the same shape to build a tower) (Geometry 1.2).

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:
COG 8: Cause and Effect	Science: Scientific Inquiry		
Definition: Child demonstrates an increasing ability to	Observation and Investigatio	n	Child searches for possible causes of actions,
observe, anticipate, and	48 months	60 months	events, or behaviors and offers possible explanations for why certain actions or
reason about the relationship between cause and effect	1.6 Make inferences and form generalizations based on evidence.	1.6 Demonstrate an increased ability to make inferences and form generalizations based on evidence.	behaviors result in specific effects (Observation and Investigation 1.6).
	Science: Physical Sciences		
	Changes in Nonliving Objects	and Materials	Child offers possible explanations for why
	48 months	60 months	certain actions or behaviors result in specific effects (Changes in Nonliving Objects and
	2.1 Demonstrate awareness that objects and materials can change; explore and describe changes in objects and materials (rearrangement of parts; change in color, shape, texture, temperature). 2.2 Observe and describe the motion of objects (in terms of speed, direction, the ways things move), and explore the effect of own actions (e.g., pushing, pulling, rolling, dropping) on making objects move.	2.1 Demonstrate an increased awareness that objects and materials can change in various ways. Explore and describe in greater detail changes in objects and materials (rearrangement of parts; changes in color, shape, texture, form, and temperature). 2.2 Demonstrate an increased ability to observe and describe in greater detail the motion of objects (in terms of speed, direction, the ways things move), and to explore the effect of own actions on the motion of objects, including changes in speed and direction.	Materials 2.1). Child acts on objects to cause a specific result (Changes in Nonliving Objects and Materials 2.2).

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:
COG 8: Cause and Effect	Science: Earth Sciences		
(continued) Definition: Child demonstrates	Changes in the Earth		Child offers possible explanations for why certain actions or behaviors result in specific
an increasing ability to	48 months	60 months	effects (Changes in the Earth 2.3).
observe, anticipate, and reason about the relationship between cause and effect	2.3 Begin to notice the effects of weather and seasonal changes on their own lives and on plants and animals.	2.3 Demonstrate an increased ability to notice and describe the effects of weather and seasonal changes on their own lives and on plants and animals.	
COG 9: Inquiry Through	Science: Scientific Inquiry		
Observation and Investigation	Observation and Investigation		Child engages in sustained explorations
Definition: Child <i>observes</i> , explores, and <i>investigates</i>	48 months	60 months	(Observation and Investigation 1.1).
objects (living and nonliving things) and events in the environment and becomes increasingly sophisticated in pursuing knowledge about them	 1.1 Demonstrate curiosity and raise simple questions about objects and events in their environment. 1.2 Observe objects and events in the environment and describe them. 1.3 Begin to identify and use, with adult support, some observation and measurement tools. 	1.1 Demonstrate curiosity and an increased ability to raise questions about objects and events in their environment. 1.2 Observe objects and events in the environment and describe them in greater detail. 1.3 Identify and use a greater variety of observation and measurement tools. May spontaneously use an appropriate tool, though may still need adult support.	Child observes objects and events of interest (Observation and Investigation 1.2). Child engages in detailed observations and complex investigations of objects and events in the environment (e.g., tests predictions, makes comparisons, uses scientific tools, or tracks changes over time) (Observation and Investigation 1.3).

DRDP (2015) Measure	California Preschool Lea	rning Foundations (PLF)	Measure Corresponds with PLF in the Following Ways:
COG 9: Inquiry Through Observation and Investigation (continued) Definition: Child observes, explores, and investigates objects (living and nonliving things) and events in the environment and becomes increasingly sophisticated in pursuing knowledge about them	 1.4 Compare and contrast objects and events and begin to describe similarities and differences. 1.5 Make predictions and check them, with adult support, through concrete experiences. 1.6 Make inferences and form generalizations based on evidence. 	1.4 Compare and contrast objects and events and describe similarities and differences in greater detail. 1.5 Demonstrate an increased ability to make predictions and check them (e.g., may make more complex predictions, offer ways to test predictions, and discuss why predictions were correct or incorrect). 1.6 Demonstrate an increased ability to make inferences and form generalizations based on evidence.	Child engages in detailed observations and complex investigations of objects and events in the environment (e.g., tests predictions, makes comparisons, uses scientific tools, or tracks changes over time) (Observation and Investigation 1.4). Child observes objects and events of interest in the environment, makes simple predictions, and checks the predictions (Observation and Investigation 1.5). Child contributes to planning and carries out detailed observations and complex investigations to answer questions of interest (Observation and Investigation 1.6).
	Science: Physical Sciences Properties and Characteristics of Nonliving Objects and		Child observes objects and events of interest
	Materials 48 months 1.1 Observe, investigate, and identify the characteristics and physical properties of objects and of solid and nonsolid materials (size, weight, shape, color, texture, and sound).	60 months 1.1 Demonstrate increased ability to observe, investigate, and describe in greater detail the characteristics and physical properties of objects and of solid and nonsolid materials (size, weight, shape, color, texture, and sound).	in the environment and may engage in detailed observations and complex investigations (Properties and Characteristics of Nonliving Objects and Materials 1.1).

DRDP (2015) Measure	California Preschool Lea	rning Foundations (PLF)	Measure Corresponds with PLF in the Following Ways:
COG 9: Inquiry Through	Changes in Nonliving Objects and Materials		Child engages in detailed observations and
Observation and Investigation (continued)	48 months	60 months	complex investigations of objects and events in the environment (tracks changes over
Definition: Child observes, explores, and investigates objects (living and nonliving things) and events in the environment and becomes increasingly sophisticated in pursuing knowledge about them	2.1 Demonstrate awareness that objects and materials can change; explore and describe changes in objects and materials (rearrangement of parts; change in color, shape, texture, temperature). 2.2 Observe and describe the motion of objects (in terms of speed, direction, the ways things move), and explore the effect of own actions (e.g., pushing, pulling, rolling, dropping) on making objects move.	2.1 Demonstrate an increased awareness that objects and materials can change in various ways. Explore and describe in greater detail changes in objects and materials (rearrangement of parts; change in color, shape, texture, form, and temperature). 2.2 Demonstrate an increased ability to observe and describe in greater detail the motion of objects (in terms of speed, direction, the ways things move), and to explore the effect of own actions on the motion of objects, including changes in speed and direction.	time) (Changes in Nonliving Objects and Materials 2.1). Child observes objects and events of interest in the environment, makes simple predictions about them, and checks the predictions (Changes in Nonliving Objects and Materials 2.2).

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:
COG 9: Inquiry Through	Science: Earth Sciences		
Observation and Investigation (continued)	Properties and Characteristics of Earth Materials and Objects		Child engages in simple, purposeful, and sustained observations (Properties and
Definition: Child <i>observes</i> ,	48 months	60 months	Characteristics of Earth Materials and Objects 1.1).
explores, and investigates objects (living and nonliving things) and events in the environment and becomes increasingly sophisticated in pursuing knowledge about them	1.1 Investigate characteristics (size, weight, shape, color, texture) of earth materials such as sand, rocks, soil, water, and air.	1.1 Demonstrate increased ability to investigate and compare characteristics (size, weight, shape, color, texture) of earth materials such as sand, rocks, soil, water, and air.	- Objects 1.1).
	Changes in the Earth		Child engages in detailed observations and
	48 months	60 months	complex investigations of objects and events in the environment (e.g., tests predictions,
	2.1 Observe and describe natural objects in the sky (sun, moon, stars, clouds) and how they appear to move and change.	2.1 Demonstrate an increased ability to observe and describe natural objects in the sky and to notice patterns of movement and apparent changes in the sun and the moon.	makes comparisons, uses scientific tools, or tracks changes over time) (Changes in the Earth 2.1).

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:	
COG 10: Documentation and	Science: Scientific Inquiry			
Communication of Inquiry Definition: Child develops the capacity to describe and record observations and investigations about objects (living and nonliving things) and events, and to share ideas and explanations with others	Observation and Investigation		Child communicates simple observations about objects or events in the environment	
	48 months	60 months	(Observation and Investigation 1.2).	
	1.2 Observe objects and events in the environment and describe them.1.4 Compare and contrast	1.2 Observe objects and events in the environment and describe them in greater detail.	Child communicates similarities or differences in the characteristics of objects (Observation and Investigation 1.4).	
	objects and events and begin to describe similarities and differences.	1.4 Compare and contrast objects and events and describe similarities and differences in greater detail.		
	Documentation and Communication		Child records information in simple ways and	
	48 months	60 months	may participate in recording detailed information, which may include tallying,	
	2.1 Record observations or findings in various ways, with adult assistance, including pictures, words (dictated to adults), charts, journals, models, and photos. 2.2 Share findings and explanations, which may be correct or incorrect, with or without adult prompting.	2.1 Record information more regularly and in greater detail in various ways, with adult assistance, including pictures, words (dictated to adults), charts, journals, models, photos, or by tallying and graphing information. 2.2 Share findings and explanations, which may be correct or incorrect, more spontaneously and with greater detail.	charting, simple graphing, or making complex drawings (Documentation and Communication 2.1). Child communicates similarities and differences in the characteristics of objects and may participate in recording and communicate about findings, related ideas, or simple explanations (Documentation and Communication 2.2).	

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:	
COG 10: Documentation and	Science: Physical Sciences			
Communication of Inquiry (continued) Definition: Child develops the capacity to describe and record observations and investigations about objects (living and nonliving things) and events, and to share ideas and explanations with others	Properties and Characteristics of Nonliving Objects and Materials		Child communicates similarities or differences in the characteristics of objects	
	48 months	60 months	(Properties and Characteristics of Nonliving Objects and Materials 1.1).	
	1.1 Observe, investigate, and identify the characteristics and physical properties of objects and of solid and nonsolid materials (size, weight, shape, color, texture, and sound).	1.1 Demonstrate increased ability to observe, investigate, and describe in greater detail the characteristics and physical properties of objects and of solid and nonsolid materials (size, weight, shape, color, texture, and sound).		
	Changes in Nonliving Objects	and Materials	Child communicates simple observations	
	48 months	60 months	about objects or events in the environment	
	2.2 Observe and describe the motion of objects (in terms of speed, direction, the ways things move), and explore the effect of own actions (e.g., pushing, pulling, rolling, dropping) on making objects move.	2.2 Demonstrate an increased ability to observe and describe in greater detail the motion of objects (in terms of speed, direction, the ways things move), and to explore the effect of own actions on the motion of objects, including changes in speed and direction.	(Changes in Nonliving Objects and Materials 2.2).	

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:	
COG 11: Knowledge of the	Science: Life Sciences			
Natural World	Properties and Characteristics of Living Things		Child shows interest in and identifies the	
Definition: Child develops the capacity to understand objects (living and nonliving things) and events in the natural world, including how they change and their characteristics	1.1 Identify characteristics of a variety of animals and plants, including appearance (inside and outside) and behavior, and begin to categorize them. 1.2 Begin to indicate knowledge of body parts and processes (e.g., eating, sleeping, breathing, walking) in humans and other animals. 1.3 Identify the habitats of people and familiar animals and plants in the environment and begin to realize that living things have habitats in different environments. 1.4 Indicate knowledge of the difference between animate objects (animals, people) and inanimate objects to initiate movement and to have different insides than inanimate objects.	1.1 Identify characteristics of a greater variety of animals and plants and demonstrate an increased ability to categorize them. 1.2 Indicate greater knowledge of body parts and processes (e.g., eating, sleeping, breathing, walking) in humans and other animals. 1.3 Recognize that living things have habitats in different environments suited to their unique needs. 1.4 Indicate knowledge of the difference between animate and inanimate objects, providing greater detail, and recognize that only animals and plants undergo biological processes such as growth, illness, healing, and dying.	characteristics and differences of living things and explores how they behave and function (Properties and Characteristics of Living Things 1.1). Child demonstrates awareness of basic needs and processes that are unique to living things (Properties and Characteristics of Living Things 1.2). Child demonstrates an awareness of differences among living things by identifying some of their specific characteristics (appearance, behaviors, habitats) (Properties and Characteristics of Living Things 1.3). Child shows interest in the characteristics of living or nonliving things, explores how they behave or function, and demonstrates awareness of basic needs and processes that are unique to living things (Properties and Characteristics of Living Things 1.4).	

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:
COG 11: Knowledge of the	Changes in Living Things		Child demonstrates knowledge of basic needs
Natural World (continued) Definition: Child develops the capacity to understand objects (living and nonliving things) and events in the natural world, including how they change and their characteristics	48 months	60 months	and processes that are unique to living things (e.g., need for water and food, change and growth) (Changes in Living Things 2.1). Child demonstrates awareness of basic needs and processes that are unique to living things (e.g., need for water and food, change and growth) (Changes in Living Things 2.2).
	2.1 Observe and explore growth and changes in humans, animals, and plants and demonstrate an understanding that living things change over time in size and in other capacities as they grow. 2.2 Recognize that animals and plants require care and begin to associate feeding and watering with the growth of humans, animals, and plants.	2.1 Observe and explore growth in humans, animals, and plants and demonstrate an increased understanding that living things change as they grow and go through transformations related to the life cycle (for example, from a caterpillar to butterfly). 2.2 Develop a greater understanding of the basic needs of humans, animals, and plants (e.g., food, water, sunshine, shelter).	
	Science: Earth Sciences		
	Properties and Characteristics of Earth Materials and Objects		Child identifies characteristics of living things, earth materials, or events in the environment
	48 months	60 months	(e.g., how they look, feel, sound, or behave) (Properties and Characteristics of Earth
	1.1 Investigate characteristics (size, weight, shape, color, texture) of earth materials such as sand, rocks, soil, water, and air.	1.1 Demonstrate increased ability to investigate and compare characteristics (size, weight, shape, color, texture) of earth materials such as sand, rocks, soil, water, and air.	Materials and Objects 1.1).

DRDP (2015) Measure	California Preschool Learning Foundations (PLF)		Measure Corresponds with PLF in the Following Ways:
COG 11: Knowledge of the Natural World (continued) Definition: Child develops the capacity to understand objects (living and nonliving things) and events in the natural world, including how they change and their characteristics	California Preschool Lea Changes in the Earth 48 months 2.1 Observe and describe natural objects in the sky (sun, moon, stars, clouds) and how they appear to move and change. 2.2 Notice and describe changes in weather. 2.3 Begin to notice the effects of weather and seasonal changes on their own lives and on plants and animals.	60 months 2.1 Demonstrate an increased ability to observe and describe natural objects in the sky and to notice patterns of movement and apparent changes in the sun and the moon. 2.2 Demonstrate an increased ability to observe, describe, and discuss changes in weather. 2.3 Demonstrate an	-
		increased ability to notice and describe the effects of weather and seasonal changes on their own lives and on plants and animals.	

Foundations not addressed by DRDP (2015) COG domain

Mathematics: Geometry:

• At around 60 months, 2.1: Identify positions of objects and people in space, including in/on/under, up/down, inside/outside, beside/between, and in front/behind.

The COG domain contains no explicit reference to identifying positions of objects and people in space.

Science: Earth Sciences:

- At around 40 months, 2.4: Develop awareness of the importance of caring for and respecting the environment and participate in activities related to its care.
- At around 60 months, 2.4: Demonstrate an increased awareness and the ability to discuss in simple terms how to care for the environment, and participate in activities related to its care.

These foundations are addressed in the measure HSS 3, Ecology, of the DRDP (2015).