

Academic Vocabulary

CONTENT BUILDER FOR THE PLC

SCIENCE
GRADE 1

PLEASE NOTE: The words contained in **Academic Vocabulary** are words/concepts/terms essential for concept development; this list is not intended to be comprehensive. The “new to grade level” vocabulary suggestions are a starting point, and educators are encouraged to refer to their district curriculum resources for additional words/concepts/terms.

Properties of Matter

1.6 Matter and its properties. The student knows that objects have physical properties that determine how they are described and classified.

important words for concept development				
subcluster	standards	new to grade level		previously introduced
Physical Properties	1.6(A), 1.6(B)	attribute	larger	classify
		bigger	lighter	color
		change	melting	material
		cooling	observe	physical property
		freezing	predict	shape
		heating	smaller	texture
		heavier		
Systems	1.6(C)	part		physical property
		system		

Force and Motion

1.7 Force, motion, and energy. The student knows that forces cause changes in motion and position in everyday life.

important words for concept development				
subcluster	standards	new to grade level		previously introduced
Force Interactions	1.7(A)	cause and effect change direction motion	position speed (e.g., faster, slower)	force pull push
Investigating Force and Motion	1.7(B)	cause and effect change direction investigation motion	position predict speed (e.g., faster, slower)	force pull push

Heat Energy

1.8 Force, motion, and energy. The student knows that energy is everywhere and can be observed in everyday life.

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Heat	1.8(A), 1.8(B)	cooling energy freezing heat/heating matter melting reversed temperature thermal energy	decreasing increasing

Patterns in Nature

1.9 **Earth and space.** The student knows that the natural world has recognizable patterns.

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Seasons	1.9(A)	nature seasons (winter, spring, summer, fall) year	pattern

Earth, Water, and Weather

1.10 Earth and space. The student knows that the natural world includes earth materials that can be observed in systems and processes.

important words for concept development				
subcluster	standards	new to grade level		previously introduced
Soil	1.10(A)	clay components of soil (rocks, air, water) decompose gravel humus mineral	nutrient particle sand silt soil topsoil	color size texture
Erosion	1.10(B)	deposition erosion movement	particle sediment	
Water	1.10(C)	clarity freshwater lake natural source ocean pond	puddle river saltwater stream	color physical property
Weather	1.10(D)	icy impact	calm clear cloudy cold hot	precipitation rainy sunny weather wind/windy

Earth's Resources

1.11 Earth and space. The student knows that earth materials and products made from these materials are important to everyday life.

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Uses of Rocks, Soil, and Water	1.11(A)		rock soil useful water
Water Conservation	1.11(B), 1.11(C)	conserve/conservation natural resource recycle reduce reuse	water

Interactions in Environments

1.12 Organisms and environments. The student knows that the environment is composed of relationships between living organisms and nonliving components.

important words for concept development				
subcluster	standards	new to grade level		previously introduced
Living and Nonliving Things	1.12(A), 1.12(B)	aquarium dependence interact/interaction living (organism) nonliving reproduce terrarium	animal basic needs of animals (air, water, food, space, shelter) basic needs of plants (water, air, sunlight, space, nutrients)	depend plant young
Interdependence	1.12(C)	consumer food chain organism producer Sun	animal depend plant	

Characteristics of Animals

1.13 Organisms and environments. The student knows that organisms resemble their parents and have structures and undergo processes that help them interact and survive within their environments.

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Animal Structure and Function	1.13(A)	appendage body covering body shape external structure	animal survival
Life Cycles	1.13(B)	animal life cycle bird life cycle (egg, chick, adult) fish life cycle (egg, larva, fry, adult) mammal life cycle (newborn, young, adult)	
Inherited Traits	1.13(C)		animal parent resemble young