

Academic Vocabulary

CONTENT BUILDER FOR THE PLC

SCIENCE
GRADE 2

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

2.5 Matter and energy. The student knows that matter has physical properties and those properties determine how it is described, classified, changed, and used.

important words for concept development				
subcluster	standards	new to grade level		previously introduced
Properties of Matter	2.5(A), 2.5(B), 2.5(C)	flexibility length liquid matter sanding solid		change cooling freezing heating melting physical property shape temperature texture
Building	2.5(D)	combine flexibility material		physical property (size, shape, texture, color, liquid, or solid) material

Force, Motion, and Energy

2.6 **Force, motion, and energy.** The student knows that forces cause change and energy exists in many forms.

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Effects of Energy	2.6(A)	brightness dim loudness melting pitch temperature vibration	decreasing energy increasing light energy sound energy thermal energy
Magnets	2.6(B)	attract	force magnet magnetism pull push
Motion	2.6(C)	pattern rolling sliding spinning	force movement pull push

Earth's Materials

2.7 Earth and space. The student knows that the natural world includes earth materials.

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Rocks	2.7(A)		color rock size texture
Water	2.7(B)	freshwater saltwater	natural source property
Resources	2.7(C)	manmade resource natural resource	products useful

Patterns in the Natural World

2.8 Earth and space. The student knows that there are recognizable patterns in the natural world and among objects in the sky.

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Objects in the Sky	2.8(C)	appearance	full Moon Moon new Moon star Sun
Weather	2.8(A), 2.8(B)	activity clothing cloud coverage (cloudy, partly cloudy, overcast) graph (noun) precipitation (rain, hail, sleet, snow) rain gauge transportation	seasons (summer, fall, winter, spring) temperature thermometer weather wind conditions (windy, breezy, calm)

Basic Needs of Plants and Animals

2.9 Organisms and environments. The student knows that living organisms have basic needs that must be met for them to survive within their environment.

important words for concept development				
subcluster	standards	new to grade level		previously introduced
Interdependence	2.9(B), 2.9(C)	behavior consumer dormancy energy transfer environment	hibernation migration precipitation producer	depend environment food chain interdependence organism temperature
Basic Needs of Plants and Animals	2.9(A)			basic needs of animals (water, food shelter, air) basic needs of plants (water, air, space, light nutrients)

Characteristics of Plants and Animals

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

important words for concept development			
subcluster	standards	new to grade level	previously introduced
Physical Characteristics and Behavior	2.10(A), 2.10(B)	behavior communication movement	basic need physical characteristics of animals (color, body covering, size) physical characteristics of plants (roots, stem, leaves, flower, fruit, seeds, leaf shape)
Life Cycles (Insects)	2.10(C)	butterfly grasshopper life cycle of insects (egg > larva > pupa > adult) stage	life cycle