

Academic Vocabulary

CONTENT BUILDER FOR THE PLC

SCIENCE
GRADE 4

Academic Vocabulary Analysis

Grade 4 Science

STANDARDS (TEKS): academic vocabulary directly taken from the standard

STAAR: academic vocabulary used on the assessment (source released tests)

STANDARD 4.5(A) measure, compare, and contrast physical properties of matter, including size, mass, volume, states (solid, liquid, and gas), temperature, magnetism, and the ability to sink or float

STANDARDS (TEKS)		LOCAL ASSESSMENTS	
Thinking	Content	Content	Common
Measure	Physical properties		
Compare	Matter		
Contrast	Size		
	Mass		
	Volume		
	States		
	Solid		
	Liquid		
	Gas		
	Temperature		
	Magnetism		
	Sink		
	Float		

STANDARD 4.6(A) differentiate among forms of energy, including mechanical, sound, electrical, light, and heat/thermal

STANDARDS (TEKS)		LOCAL ASSESSMENTS	
Thinking	Content	Content	Common
Differentiate	Forms of energy		
	Mechanical energy		
	Sound energy		
	Electrical energy		
	Light energy		
	Heat energy		
	Thermal energy		

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STANDARD 4.7(A) examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants

STANDARDS (TEKS)		STAAR	
Thinking	Content	Content	Common
Examine	Properties	Characteristics	Sample
	Soil	Particles	Drains
	Color	Clay	Graduated cylinder
	Texture	Silt	Roots
	Capacity	Loam	
		Sand	
	Vocabulary term used on STAAR		

STANDARD 4.7(C) identify and classify Earth's renewable resources, including air, plants, water, and animals; and nonrenewable resources, including coal, oil, and natural gas; and the importance of conservation

STANDARDS (TEKS)		LOCAL ASSESSMENTS	
Thinking	Content	Content	Common
Identify	Renewable resources		
Classify	Nonrenewable resources		
	Coal		
	Oil		
	Natural gas		
	Conservation		

STANDARD 4.8(A) measure and record changes in weather and make predictions using weather maps, weather symbols, and a map key

STANDARDS (TEKS)		LOCAL ASSESSMENTS	
Thinking	Content	Content	Common
Measure	Weather maps		
Record	Weather symbols		
Predict	Map key		

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STANDARD 4.9(B) describe the flow of energy through food webs, beginning with the Sun, and predict how changes in the ecosystem affect the food web such as a fire in a forest

STANDARDS (TEKS)		LOCAL ASSESSMENTS	
Thinking	Content	Content	Common
Describe	Flow of energy		
Predict	Food webs		
	Ecosystem		
	Food web		
	Sun		

STANDARD 4.10(A) explore how adaptations enable organisms to survive in their environment such as comparing birds' beaks and leaves on plants

STANDARDS (TEKS)		LOCAL ASSESSMENTS	
Thinking	Content	Content	Common
Explore	Adaptations		
	Organisms		
	Survive		
	Environment		