

Grade 8 Science Test Blueprint

Reporting Category	Topic	Points	Total Points on Form	Approximate Percent of Test
Earth Science	8.ES.1: The composition and properties of Earth's interior are identified by the behavior of seismic waves	21-23	54-56	38%-43%
	8.ES.2: Earth's lithosphere consists of major and minor tectonic plates that move relative to each other			
	8.ES.3: A combination of constructive and destructive geologic processes formed Earth's surface			
	8.ES.4: Evidence of the dynamic changes of Earth's surface through time is found in the geologic record.			
Physical Science	8.PS.1: Objects can experience a force due to an external field such as magnetic, electrostatic, or gravitational fields.	16-18	54-56	29%-33%
	8.PS.2: Forces can act to change the motion of objects.			
Life Science	8.LS.1: Diversity of species, a result of variation of traits, occurs through the process of evolution and extinction over many generations. The fossil records provide evidence that changes have occurred in number and types of species.	16-18	54-56	29%-33%
	8.LS.2: Every organism alive today comes from a long line of ancestors who reproduced successfully every generation.			
	8.LS.3: The characteristics of an organism are a result of inherited traits received from parent(s)			

Cognitive Demands	Approximate Portion of Test
Designing Technological/ Engineering Solutions Using Science Concepts (T)	0-15 %
Demonstrating Science Knowledge (D)	10-25%
Interpreting and Communicating Science Concepts (C)	30-50%
Recalling Accurate Science (R)	25-40%