

## STEMscopes™ STAAR Alignment Grade 8 Science Assessment



Readiness SCOPES			Supporting SCOPES	
1. Matter	and Energy			
8.5A	Atoms	7.5C	Energy Flow Through Systems	
8.5B	Protons and Electrons	7.6A	Organic Compounds	
8.5C	Periodic Table	7.6B	Physical and Chemical Changes	
8.5DF	Chemical Formulas and Equations*	6.5A	Elements and Compounds	
8.5E	Chemical Reactions	6.6A	Metals, Non-metals, and Metalloids	
		6.6B	Density	
2. Force, l	Motion, and Energy			
8.6A	Unbalanced Forces	8.6B	Speed, Velocity, and Accelerations	
8.6C	Laws of Force and Motion	7.7A	Situations of Force	
		6.8A	Potential and Kinetic Energy	
		6.8BCD	Changes in Force and Motion	
		6.9C	Energy Transformations	
3. Earth a	and Space	<del>-</del>		
8.7A	Rotation and Revolution	8.7C	Ocean Tides	
8.7B	Lunar Cycle	8.8B	The Sun	
8.8A	Components of the Universe	8.8C	Electromagnetic Spectrum	
8.9AB	Plate Tectonic Theory*	8.8D	Light Years	
8.9C	Erosional Features	8.10A	The Sun's Energy	
		8.10B	Weather Maps	
		8.10C	Oceans and Weather	
		7.8C	Watershed	
		6.11B	Gravity	
4. Organi	sms and Environments			
8.11A	Relations in a Food Web	8.11D	Human Effect on Resources	
8.11B	Interdependence	7.10BC	Ecosystems and Environments	
8.11C	Environmental Changes	7.11A	Identification of Organisms	
		7.11BC/.12A	Adaptations of Species	
		7.12B	Systems of the Human Body	
		7.12D	Plant and Animal Cell Organelles	
		7.12EF	Functions of a Cell	
		7.14AC	Heredity	

RICE