



GRADE 6		
SCOPE	TEKS(S)	SUGGESTED PACING
Solids Liquids and Gases	6.6(A)	7
Pure Substances and Mixtures	6.6(B)	7
Metals Nonmetals and Metalloids	6.6(C)	8
Relative Density	6.6(D)	7
Formation of a New Substance	6.6(E)	7
Forces on Objects	6.7(A)	8
Net Force	6.7(B)	7
Newton's Third Law of Motion	6.7(C)	7
Kinetic and Potential Energies	6.8(A)	7
Energy Conservation and Transformations	6.8(B)	7
Transverse and Longitudinal Waves	6.8(C)	7
Earth's Tilt and Seasons	6.9(A)	7
Ocean Tides	6.9(B)	7
Spheres and Layers of Earth	6.10(A) 6.10(B)	8
Rock Cycle and Classification	6.10(C)	7
Resource Management	6.11(A) 6.11(B)	7
Organism Relationships	6.12(A) 6.12(B)	8
Ecosystem Organization	6.12(C)	7
Cell Theory	6.13(A)	7
Characteristics of Organisms	6.13(B)	7
Environmental Change and Populations	6.13(C)	7

GRADE 7		
SCOPE	TEKS(S)	SUGGESTED PACING
Elements and Compounds	7.6(A) 7.6(B)	8
Physical and Chemical Changes	7.6(C)	7
Aqueous Solutions	7.6(D) 7.6(E)	7
Speed and Velocity	7.7(A) 7.7(B)	8
Distance-Time Graphs	7.7(C)	7
Newton's First Law of Motion	7.7(D)	7
Thermal Energy	7.8(A) 7.8(B)	7
Temperature and Kinetic Energy	7.8(C)	7
Celestial Objects	7.9(A)	7
Gravity	7.9(B)	7
Earth and Life	7.9(C)	7
Plate Tectonics	7.10(A) 7.10(B)	8
Human Impact on Watersheds	7.11(A)	8
Human Impact on Ocean Systems	7.11(B)	7
Energy and Trophic Levels	7.12(A) 7.12(B)	7
Human Body Systems	7.13(A)	8
Organism Organization	7.13(B)	7
Reproduction	7.13(C)	8
Natural and Artificial Selection	7.13(D)	7
Taxonomy	7.14(A) 7.14(B)	8

GRADE 8		
SCOPE	TEKS(S)	SUGGESTED PACING
Classifying Matter	8.6(A)	8
Properties of Water	8.6(C)	8
Properties of Acids and Bases	8.6(D)	8
Conservation of Mass	8.6(B) 8.6(E)	8
Newton's Second Law of Motion	8.7(A)	7
Newton's Three Laws of Motion	8.7(B)	8
Wave Characteristics	8.8(A)	8
Electromagnetic Wave Uses	8.8(B)	7
Life Cycles of Stars	8.9(A)	8
Galaxy Types and Our Solar System	8.9(B)	7
Origins of the Universe	8.9(C)	7
Influences of Weather and Climate	8.10(A) 8.10(B)	9
Ocean Currents and Air Masses	8.10(C)	7
Nature's Impact on Climate	8.11(A) 8.11(C)	7
Human Impact on Climate Change	8.11(B) 8.11(C)	8
Effects on Food Webs	8.12(A)	7
Ecological Succession	8.12(B)	8
Biodiversity	8.12(C)	7
Cell Organelles	8.13(A)	7
Genes and Traits	8.13(B)	8
Variations to Adaptations	8.13(C)	7

\*Suggested Pacing (instructional days) are currently based on the time needed to cover the majority of STEMscopes elements in each scope.

\*\*The order of scopes in STEMscopes is suggested but not required; scope sequence can be adjusted to fit the needs of the individual campuses and districts.