

## K-12 SCIENCE SCOPE AND SEQUENCE

	Kindergarten	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	9, 10, 11
<b>Strand 1 Matter &amp; Energy</b>	Properties of Matter Investigating Sound	Properties of Matter: Mass and Temperature	Properties of Rocks and Soil Forms of Energy: Sound	Investigating States of Matter Earth, Sun and Moon	Mixtures and Solutions Forms of Energy: Electrical Circuits		Physical and Chemical Properties of and Changes in Matter Forms of Energy: Heat, Electricity, Magnetism, Light and Sound Energy Transformations			Atomic Theory and Changes in Matter Energy Forms and Transfer
<b>Strand 2 Force &amp; Motion</b>	Change in Position	Investigating Motion	Forces and Motion		Laws of Motion	Work and Simple Machines	Force, Motion, and Work			Interactions between Energy, Force, and Motion
<b>Strand 3 Living Organisms</b>	Plants and Animals Parent- Offspring Relationships	Characteristics of Plants and Animals	Life Cycles of Animals	Plants		Classification of Plants and Animals		Characteristics of Living Organisms Cells and Body Systems Disease Reproduction and Heredity		Diversity and Unity Among Organisms Cellular Processes Genetics and Heredity
<b>Strand 4 Ecology</b>	Weather and Seasons			Food Chains	Interactions among Organisms and their Environments			Ecosystems and Populations		Interdependence of Organisms and their Environment Matter and Energy in the Ecosystem
<b>Strand 5 Earth Systems</b>	Weather and Seasons	Observing Water and Weather	Earth Materials: Rocks and Soil	Investigating States of Matter	Changes in the Earth's Surface	Water Cycle and Weather			Rock Cycle and Plate Tectonics Internal Processes and External Events Earth's Resources Weather and Climate	Biological Evolution Interactions among Earth's Systems and Processes of Change Effect of Human Activity on Earth's Resources
<b>Strand 6 Universe</b>	Objects in the Sky			Earth, Sun, and Moon		Solar System			Objects and Their Motion in the Solar System	
<b>Strand 7 Scientific Inquiry</b>	Inquiry	Inquiry	Inquiry	Inquiry	Inquiry	Inquiry	Inquiry	Inquiry	Inquiry	Inquiry
<b>Strand 8 Science, Technology, &amp; Human Activity</b>	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity	Science, Technology, and Human Activity