



STCA Year-at-a-Glance Curriculum

Subject: Science

Grade-Level: 5th Grade

Textbook Resource(s): IntoScience

Other Resource(s): Mystery Science; FOSS Kits; CKLA Curriculum; National Geographic

Semester 1	Semester 2
<ol style="list-style-type: none">1. Engineering and Technology<ol style="list-style-type: none">a. How do engineers define problems and build, test, evaluate, and optimize solutions?2. Matter<ol style="list-style-type: none">a. What is matter, and what are its properties and different forms?3. Energy and Matter in Organisms<ol style="list-style-type: none">a. How do plants and other organisms transform matter and energy to live and grow? What are energy sources, and how does energy flow within living systems?	<ol style="list-style-type: none">1. Energy and Matter in Ecosystems<ol style="list-style-type: none">a. How do organisms interact in ecosystems and how do these interactions change environments?2. Earth Interactions and Resources<ol style="list-style-type: none">a. How do the earth's systems interact, and how do human affect those systems and the resources they contain? How can humans conserve environments and resources?3. Patterns in the Sky<ol style="list-style-type: none">a. How do gravity and the sun effect the Earth's systems and matter? What patterns can we observe in the night sky over time?