

5th Grade - Elementary Science Bundle # 7

<p>CURRENT TEKS 5.8 Science concepts. The student knows that energy occurs in many forms.</p> <p>5.8d verify that vibrating an object can produce sound.</p>		
<p>NEW TEKS 5.7 Earth and Space. The student knows Earth's surface is constantly changing and consists of useful resources.</p> <p>5.7c identify alternative energy resources such as wind, solar, hydroelectric, geothermal, and biofuels</p>		<p>Kid Wind: http://www.kidwind.org/lessons/teachers.html</p> <p>AIMS- Earth Science: Geothermal Energy / Wind Rollers</p>
<p>CURRENT TEKS 5.1 Scientific Processes. The student conducts field and laboratory investigations following home and school safety procedures and environmentally appropriate and ethical practices.</p> <p>5.1a demonstrate safe practices during field and laboratory investigations</p> <p>5.1b make wise choices in the use and conservation of resources and the disposal or recycling of materials</p> <p>NEW TEKS 5.1 Scientific investigations and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and environmentally appropriate and ethical practices.</p> <p>5.1a demonstrate safe practices and the use of safety equipment as described in the Texas Safety Standards during classroom and outdoor investigations</p>		

5th Grade - Elementary Science Bundle # 7

<p>5.1b make informed choices in the conservation, disposal, and recycling of materials</p>		
<p>CURRENT TEKS</p> <p>5.2 Scientific processes. The student uses scientific methods during field and laboratory investigations.</p> <p>5.2a plan and implement descriptive and simple experimental investigations including asking well-defined questions, formulating testable hypotheses, and selecting and using equipment and technology</p> <p>5.2b collect information by observing and measuring</p> <p>5.2c analyze and interpret information to construct reasonable explanations from direct and indirect evidence</p> <p>5.2d communicate valid conclusions</p> <p>5.2e construct simple graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate information</p> <p>NEW TEKS</p> <p>5.2 Scientific investigations and reasoning. The student uses scientific methods during laboratory and outdoor investigations.</p> <p>5.2a describe, plan, and implement simple experimental investigations testing one variable</p> <p>5.2b ask well-defined questions, formulate testable hypothesis, and select and use appropriate equipment and technology</p> <p>5.2c collect information by detailed observation and accurate measuring</p>		

5th Grade - Elementary Science Bundle # 7

<p>5.2d analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence</p> <p>5.2e demonstrate that repeated investigations may increase the reliability of results</p> <p>5.2f communicate valid conclusions in both written and verbal forms</p> <p>5.2g construct appropriate simple graphs, tables, maps, and charts using technology, including computers, to organize, examine, and evaluate information</p>		
<p>CURRENT TEKS</p> <p>5.3 Scientific Processes. The student uses critical thinking and scientific problem solving to make informed decisions.</p> <p>5.3a analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information</p> <p>5.3b draw inferences based on information related to promotional materials for products and services</p> <p>5.3c represent the natural world using models and identify their limitations</p> <p>5.3d evaluate the impact of research on scientific thought, society, and the environment</p> <p>5.3e connect Grade 5 science concepts with the history of science and contributions of scientists</p> <p>NEW TEKS</p> <p>5.3 Scientific investigation and reasoning. The student uses critical thinking and scientific problem solving to make informed decisions.</p>		

5th Grade - Elementary Science Bundle # 7

<p>5.3a in all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing, including examining all sides of scientific evidence of those scientific explanations so as to encourage critical thinking by the student</p> <p>5.3b evaluate the accuracy of the information related to promotional materials for products and services such as nutritional labels</p> <p>5.3c draw or develop a model that represents how something works or looks that cannot be seen such as how a soda dispensing machine works</p> <p>5.3d connect grade level appropriate science concepts with the history of science, science careers, and contributions of scientists</p>		
<p>CURRENT TEKS 5.4 Scientific Processes. The student knows how to use a variety of tools and methods to conduct science inquiry.</p> <p>5.4a collect and analyze information using tools including calculators, microscopes, cameras, sound recorders, computers, and lenses, rulers, thermometers, compasses, balances, hot plates, meter sticks, timing devices, magnets, collecting nets, and safety goggles</p> <p>5.4b demonstrate that repeated investigations may increase the reliability of results</p> <p>NEW TEKS 5.4 Scientific investigation and reasoning. The student knows how to use a variety of tools and methods to conduct science inquiry.</p>		

5th Grade - Elementary Science Bundle # 7

5.4a collect, record, and analyze information using tools including calculators, microscopes, cameras, computers, hand lenses, metric rulers, Celsius thermometers, prisms, mirrors, pan balances, triple beam balances, spring scales, graduated cylinders, beakers, hot plates, meter sticks, magnets, collecting nets, and notebooks; timing devices including clocks and stopwatches, and materials to support the observation of habitats of organisms such as terrariums and aquariums

5.4b use safety equipment including safety goggles and gloves