



## SJCS 5-8 Science Overview

Grade	Topics Covered	Textbook(s)
5th	<ul style="list-style-type: none"> <li>• The Human Body</li> <li>• Classification of Living Things</li> <li>• Energy and Matter (Focus on Sound)</li> <li>• Weather Forecasting</li> <li>• The Water Cycle</li> <li>• Introduction to Space Science</li> <li>• Introduction to Earth Science</li> <li>• Health Risks</li> <li>• Organisms and Survival</li> </ul>	<p>Science A Closer Look by Macmillan/McGraw-Hill559o</p> <p>Supplemental Read Aloud Song for the Blue Ocean by Carl Safina-</p>
6th	<p>Physics</p> <ul style="list-style-type: none"> <li>• Motion and Force</li> <li>• Work and Energy</li> <li>• Simple Machines</li> <li>• Using Energy</li> <li>• Electricity</li> <li>• Magnetism</li> <li>• Waves</li> <li>• Light and Sound</li> </ul>	<p>Prentice Hall Science Explorer Chemistry and Physics</p> <p>Supplemental Read Aloud Archimedes and the Door to Science by Jeanne Bendick</p>
7th	<p>Life Science</p> <ul style="list-style-type: none"> <li>• Characteristics of Life</li> <li>• Cell Theory &amp; Structure</li> <li>• Cell Division</li> <li>• Reproduction &amp; the Human Life Cycle</li> <li>• Genetics &amp; Heredity</li> <li>• Natural Selection &amp; Adaptation.</li> <li>• Ecosystems &amp; Interactions</li> </ul>	<p>Prentice Hall Science Explorer Life Science</p> <p>Supplemental Read aloud Being Human by Leon Kass</p>



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	<ul style="list-style-type: none"> <li>• Classification of Living Things</li> <li>• Photosynthesis vs. Cellular Respiration</li> <li>• Human Body Systems</li> <li>• Skeleton &amp; Muscles.</li> <li>• Dissections</li> </ul>	
8th	<p>Earth and Space Science</p> <ul style="list-style-type: none"> <li>• Density and the Metric System, Measuring Space</li> <li>• A Star's Role in Our Universe</li> <li>• Gravity</li> <li>• Geological Timeline</li> <li>• Plate Tectonics, Earthquakes, and Volcanoes</li> <li>• Exploring Exoplanets</li> <li>• Mars and Moon Colonies</li> <li>• Extremophiles</li> <li>• Carbon's Ultimate Road Trip</li> <li>• Maine Geological Studies</li> <li>• Science Fair Experiment (Optional)</li> <li>• STEM Challenges</li> <li>• Independent Study Work</li> </ul>	<p>Prentice Hall Science Explorer Earth and Space Science, Astronomy, Chemistry</p> <p>Supplemental Read aloud The Last American Hero, The remarkable Life of John Glenn by Alice L. George</p>