



SJCS 5-8 Science Overview

| Grade | Topics Covered | Textbook(s) |
|-------|---|--|
| 5th | <ul style="list-style-type: none">• The Human Body• Classification of Living Things• Energy and Matter (Focus on Sound)• Weather Forecasting• The Water Cycle• Introduction to Space Science• Introduction to Earth Science• Health Risks• Organisms and Survival | Science A Closer Look by Macmillan/McGraw-Hill 559o Supplemental Read Aloud Song for the Blue Ocean by Carl Safina- |
| 6th | Physics <ul style="list-style-type: none">• Motion and Force• Work and Energy• Simple Machines• Using Energy• Electricity• Magnetism• Waves• Light and Sound | Prentice Hall Science Explorer Chemistry and Physics Supplemental Read Aloud Archimedes and the Door to Science by Jeanne Bendick |
| 7th | Life Science <ul style="list-style-type: none">• Characteristics of Life• Cell Theory & Structure• Cell Division• Reproduction & the Human Life Cycle• Genetics & Heredity• Natural Selection & Adaptation.• Ecosystems & Interactions | Prentice Hall Science Explorer Life Science Supplemental Read aloud Being Human by Leon Kass |



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| | <ul style="list-style-type: none">• Classification of Living Things• Photosynthesis vs. Cellular Respiration• Human Body Systems• Skeleton & Muscles.• Dissections | |
| 8th | <p>Earth and Space Science</p> <ul style="list-style-type: none">• Density and the Metric System, Measuring Space• A Star's Role in Our Universe• Gravity• Geological Timeline• Plate Tectonics, Earthquakes, and Volcanoes• Exploring Exoplanets• Mars and Moon Colonies• Extremophiles• Carbon's Ultimate Road Trip• Maine Geological Studies• Science Fair Experiment (Optional)• STEM Challenges• Independent Study Work | <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> |