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| **Content Area** | Science | | | **Grade Level** | 7th Grade | | |
| **Course Name/Course Code** |  | | | | | | |
| **Standard** | **Grade Level Expectations (GLE)** | | | | | | **GLE Code** |
| 1. Physical Science | 1. Mixtures of substances can be separated based on their properties such as solubility, boiling points, magnetic properties, and densities | | | | | | SC09-GR.7-S.1-GLE.1 |
| 1. Life Science | 1. Individual organisms with certain traits are more likely than others to survive and have offspring in a specific environment | | | | | | SC09-GR.7-S.2-GLE.1 |
| 1. The human body is composed of atoms, molecules, cells, tissues, organs, and organ systems that have specific functions and interactions | | | | | | SC09-GR.7-S.2-GLE.2 |
| 1. Cells are the smallest unit of life that can function independently and perform all the necessary functions of life | | | | | | SC09-GR.7-S.2-GLE.3 |
| 1. Photosynthesis and cellular respiration are important processes by which energy is acquired and utilized by organisms | | | | | | SC09-GR.7-S.2-GLE.4 |
| 1. Multiple lines of evidence show the evolution of organisms over geologic time | | | | | | SC09-GR.7-S.2-GLE.5 |
| 1. Earth Systems Science | 1. Major geologic events such as earthquakes, volcanic eruptions, mid-ocean ridges, and mountain formation are associated with plate boundaries and attributed to plate motions | | | | | | SC09-GR.7-S.3-GLE.1 |
| 1. Geologic time, history, and changing life forms are indicated by fossils and successive sedimentation, folding, faulting, and uplifting of layers of sedimentary rock | | | | | | SC09-GR.7-S.3-GLE.2 |
| **Colorado 21st Century Skills**    **Critical Thinking and Reasoning:** *Thinking Deeply, Thinking Differently*  **Information Literacy:** *Untangling the Web*  **Collaboration:** *Working Together, Learning Together*  **Self-Direction:** *Own Your Learning*  **Invention:** *Creating Solutions* | | **Reading & Writing Standards for Literacy**  **in Science and Technical Subjects 6 - 12**  **Reading Standards**   * Key Ideas & Details * Craft And Structure * Integration of Knowledge and Ideas * Range of Reading and Levels of Text Complexity   **Writing Standards**   * Text Types & Purposes * Production and Distribution of Writing * Research to Construct and Present Knowledge * Range of Writing | | | | | |
| **Unit Titles** | | | **Length of Unit/Contact Hours** | | | **Unit Number/Sequence** | |
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| **Unit Title** |  | | | **Length of Unit** |  |
| **Focusing Lens(es)** |  | **Standards and Grade Level Expectations Addressed in this Unit** |  | | |
| **Inquiry Questions (Engaging- Debatable):** |  | | | | |
| **Unit Strands** |  | | | | |
| **Concepts** |  | | | | |

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| **Generalizations**  **My students will Understand that…** | **Guiding Questions**  **Factual Conceptual** | |
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