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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
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| **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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