Arizona Science Standards (Approved 5/24/04)
*Strands 1, 2 and 3 are designed to be explicitly taught and embedded within each of the content strands 4, 5, and 6, and are not intended to be taught in isolation.

Unifying Concepts and Processes:
- Systems, order and organization
- Evidence, models, and explanation
- Change, constancy, and measurement
- Evolution and equilibrium
- Form and function

**Strand 1: Inquiry Process**

Concept 1: Observations, Questions, and Hypotheses
Concept 2: Scientific Testing (Investigating and Modeling)
Concept 3: Analysis and Conclusions
Concept 4: Communication

**Strand 2: History and Nature of Science**

Concept 1: History of Science as a Human Endeavor
Concept 2: Nature of Scientific Knowledge

**Strand 3: Science in Personal and Social Perspectives**

Concept 1: Changes in Environment
Concept 2: Science and Technology in Society

**Strand 4: Life Science**

Concept 1: Characteristics Of Organisms (K-4)
  - Structure and Function in Living Systems (5-8)
Concept 2: Life Cycles (K-4)
  - Reproduction and Heredity (5-8)
Concept 3: Organisms and Environments (K-4)
  - Populations of Organisms in an Ecosystem (5-8)
Concept 4: Diversity, Adaptation, and Behavior (K-8)

**Strand 5: Physical Science**

Concept 1: Properties of Objects and Materials (K-4)
  - Properties and Changes of Properties in Matter (5-8)
Concept 2: Position and motion of Objects (K-4)
  - Motion and Forces (5-8)
Concept 3: Energy and Magnetism (K-4)
  - Transfer of Energy (5-8)

**Strand 6: Earth and Space Science**

Concept 1: Properties of Earth Materials (K-4)
  - Structure of the Earth (5-8)
Concept 2: Objects in the Sky (K-3)
  - Earth’s Processes and Systems (4-8)
Concept 3: Changes in the Earth and Sky (K-4)
  - Earth in the Solar System (5-8)