

# National Science Education Standards

Correlation of *SRA Life Science Lab* to the National Science Education Standards, grades 5–8

Content Standard	Component
<b>(UCP) Unifying Concepts and Processes</b>	
1. Systems, order, and organization	Cards 2, 3, 12, 14, 15, 16, 25, 44, 47–58, 71, 76, 77, 78, 79
2. Evidence, models, and explanation	Cards 5, 65, 66, 67, 68, 76, 77, 78, 79
3. Change, constancy, and measurement	Cards 23, 41, 44, 45, 57, 65, 66, 72, 80, 84, 87, 88, 89, 90
4. Evolution and equilibrium	Cards 9, 23, 24, 44, 45, 46, 65, 66, 67, 68, 71, 72, 75, 80
5. Form and function	Cards 1, 4–44, 47–58
<b>(A) Science as Inquiry</b>	
1. Abilities necessary to do scientific inquiry	Cards 5, 59 <i>Teacher's Handbook</i> pages 77–103
2. Understandings about scientific inquiry	Cards 5, 59 <i>Teacher's Handbook</i> pages 77–103
<b>(B) Physical Science</b>	
1. Properties and changes of properties in matter	Cards 13, 46
2. Motions and forces	Cards 12, 45, 51, 55
3. Transfer of energy	Cards 9, 17, 50, 76, 77 <i>Teacher's Handbook</i> pages 96–99
<b>(C) Life Science</b>	
1. Structure and function in living systems	Cards 1, 4–44, 47–58, 70–82 <i>Teacher's Handbook</i> pages 76–79
2. Reproduction and heredity	Cards 10, 11, 12, 20, 21, 22, 40, 42, 58, 60–69
3. Regulation and behavior	Cards 5–58, 72–79, 80, 84–90 <i>Teacher's Handbook</i> pages 84–87
4. Populations and ecosystems	Cards 70–83 <i>Teacher's Handbook</i> pages 80–83
5. Diversity and adaptations of organisms	Cards 12–43, 64–68, 73–75

Content Standard	Component
<b>(D) Earth and Space Science</b>	
1. Structure of the Earth system	Cards 78, 79
2. Earth's history	Cards 67, 68, 80
3. Earth in the solar system	Card 89
<b>(E) Science and Technology</b>	
1. Abilities of technological design	Cards 59, 69, 83 <i>Teacher's Handbook</i> pages 76–79
2. Understandings about science and technology	Cards 59, 69, 83 <i>Teacher's Handbook</i> pages 100–103
<b>(F) Science in Personal and Social Perspectives</b>	
1. Personal health	Cards 44–58 <i>Teacher's Handbook</i> pages 88–91
2. Populations, resources, and environments	Cards 70–90 <i>Teacher's Handbook</i> pages 96–99
3. Natural hazards	Cards 84, 87, 89, 90
4. Risks and benefits	Cards 84–90
5. Science and technology in society	Cards 59, 69, 83 <i>Teacher's Handbook</i> pages 100–103
<b>(G) History and Nature of Science</b>	
1. Science as a human endeavor	Cards 13, 43, 45, 46, 69, 83, 84, 90
2. Nature of science	Cards 5, 66, 68, 69
3. History of science	Cards 5, 59, 64, 69, 83