

National Science Education Standards

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

Content Standard	Components
(UCP) Unifying Concepts and Processes	
1. Systems, order, and organization	Cards 1–6, 10, 11, 17–25, 36, 37, 41, 43, 44, 55, 77, 78 <i>Teacher's Handbook</i> pages 84–87, 92–95
2. Evidence, models, and explanation	Cards 3, 4, 7, 17, 21–27, 37, 41, 42, 55, 68, 69, 77, 78, 79, 82, 83 <i>Teacher's Handbook</i> pages 88–99
3. Change, constancy, and measurement	Cards 5–9, 11–16, 27–30, 33, 34, 37, 38, 41, 43–49, 79, 80, 85–89 <i>Teacher's Handbook</i> pages 80–87
4. Evolution and equilibrium	Cards 6, 7, 8, 9, 13–15, 37, 41, 43, 44
5. Form and function	Cards 1–5, 10–15, 17–26, 31, 32, 35, 36, 41–49, 77–79, 82, 83 <i>Teacher's Handbook</i> pages 96–99
(A) Science as Inquiry	
1. Abilities necessary to do scientific inquiry	Cards 2, 39, 40, 42, 78 <i>Teacher's Handbook</i> pages 74–99
2. Understandings about scientific inquiry	Cards 81, 84, 90, 17, 35 <i>Teacher's Handbook</i> pages 74–99
(B) Physical Science	
1. Properties and changes of properties in matter	Cards 1–16, 17–35 <i>Teacher's Handbook</i> pages 76–83
2. Motions and forces	Cards 50–65, 66–76 <i>Teacher's Handbook</i> pages 88–91
3. Transfer of energy	Cards 21–25, 27–30, 33, 34, 36–49, 62–65, 66–76, 77–90 <i>Teacher's Handbook</i> pages 84–87, 96–99

Content Standard	Components
(C) Life Science	
1. Structure and function in living systems	Cards 9, 31, 32, 37, 38, 45, 89
2. Reproduction and heredity	Card 81
3. Regulation and behavior	Cards 80, 87, 89
4. Populations and ecosystems	Cards 38, 45
5. Diversity and adaptations of organisms	Cards 38, 45, 80, 87, 89
(D) Earth and Space Science	
1. Structure of the Earth system	Cards 44–48, 82, 83 <i>Teacher's Handbook</i> pages 96–99
2. Earth's history	Card 38
3. Earth in the solar system	Cards 36, 37, 44, 46, 57, 59
(E) Science and Technology	
1. Abilities of technological design	Cards 14, 15, 16, 35, 41, 45–49, 63, 64, 81, 84, 90 <i>Teacher's Handbook</i> pages 84–99
2. Understandings about science and technology	Cards 14–16, 35, 41, 45–49, 63, 64, 79, 81–84, 90 <i>Teacher's Handbook</i> pages 84–99
(F) Science in Personal and Social Perspectives	
1. Personal health	Cards 14, 15, 16, 31, 32, 45, 79–84, 87, 89
2. Populations, resources, and environments	Cards 38, 45–49 <i>Teacher's Handbook</i> pages 76–83
3. Natural hazards	Cards 80, 83
4. Risks and benefits	Cards 38, 35, 45–49, 71, 72, 81–84
5. Science and technology in society	Cards 14, 15, 16, 34, 35, 41, 45–49, 79, 81–84, 90
(G) History and Nature of Science	
1. Science as a human endeavor	Cards 14, 15, 16, 17, 35, 45, 79–84, 87, 89, 90
2. Nature of science	Cards 2, 39, 40, 42, 78
3. History of science	Cards 3, 10, 11, 17, 38, 46–49, 81, 90