

# National Science Education Standards

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

Content Standard	Components
<b>(UCP) Unifying Concepts and Processes</b>	
1. Systems, order, and organization	Cards 1, 3, 5, 9, 10, 18–20, 32, 36, 40, 41, 43–61, 62–81, 88–90 <i>Teacher's Handbook</i> pages 96–99
2. Evidence, models, and explanation	Cards 1, 9, 10–17, 18–20, 23, 30–34, 36–41, 43–61, 62–78 <i>Teacher's Handbook</i> pages 80–83
3. Change, constancy, and measurement	Cards 1–5, 9, 10–17, 22–29, 30–34, 43–61, 74–78
4. Evolution and equilibrium	Cards 1, 2, 32–34, 37, 59, 61, 63, 68, 76–78
5. Form and function	Cards 3–8, 17, 68
<b>(A) Science as Inquiry</b>	
1. Abilities necessary to do scientific inquiry	Cards 3–5 <i>Teacher's Handbook</i> pages 72–103
2. Understandings about scientific inquiry	Cards 10, 16, 30, 31 <i>Teacher's Handbook</i> pages 72–103
<b>(B) Physical Science</b>	
1. Properties and changes of properties in matter	Cards 3–9, 22, 37, 42 <i>Teacher's Handbook</i> pages 100–103
2. Motions and forces	Cards 1, 2, 6–9, 10–17, 22, 24–28, 39–41, 62–78 <i>Teacher's Handbook</i> pages 92–95
3. Transfer of energy	Cards 10–17, 24–28, 38, 43–49, 52–61, 66–68 <i>Teacher's Handbook</i> pages 85–87
<b>(C) Life Science</b>	
1. Structure and function in living systems	Cards 32, 34
2. Reproduction and heredity	Cards 32, 34
3. Regulation and behavior	Card 33
4. Populations and ecosystems	Cards 61, 82–90
5. Diversity and adaptations of organisms	Cards 32–34

<b>Content Standard</b>	<b>Components</b>
<b>(D) Earth and Space Science</b>	
1. Structure of the Earth system	Cards 1–9, 10–17, 18–29, 30–35, 36–42, 43–61, 82–90 <i>Teacher’s Handbook</i> pages 88–91
2. Earth’s history	Cards 10, 11, 16, 25, 30–35, 63, 68, 87 <i>Teacher’s Handbook</i> pages 76–79
3. Earth in the solar system	Cards 62–81 <i>Teacher’s Handbook</i> pages 96–99
<b>(E) Science and Technology</b>	
1. Abilities of technological design	Cards 79–81, 88, 90 <i>Teacher’s Handbook</i> pages 80–83
2. Understandings about science and technology	Cards 1, 16, 79–81, 88, 90 <i>Teacher’s Handbook</i> pages 84–87
<b>(F) Science in Personal and Social Perspectives</b>	
1. Personal health	Cards 37, 43, 85 <i>Teacher’s Handbook</i> pages 88–91
2. Populations, resources, and environments	Cards 23, 29, 35, 82–90
3. Natural hazards	Cards 15–17, 52–54
4. Risks and benefits	Cards 35, 37, 61
5. Science and technology in society	Cards 16, 34, 42, 37
<b>(G) History and Nature of Science</b>	
1. Science as a human endeavor	Cards 10, 68, 71, 72, 79 <i>Teacher’s Handbook</i> pages 72–75
2. Nature of science	Cards 30–34, 68, 71, 72, 79
3. History of science	Cards 10, 68–73, 78, 79 <i>Teacher’s Handbook</i> pages 76–79