

U.S. National Research Council - National Science Education Content Standards GRADES 5-8	ScienceSchoolHouse Discover! Science Library																
	THE FULL LIBRARY	Geology			Oceans-Climate			Weather			Astronomy			Life/Environment		Phys/Chem	
		Dynamic Earth	Minerals, Rocks, and Resources	Carving the Earth	Earth's Oceans	Oceans in Motion	Earth's Water Cycle	Weather Fundamentals	Extreme Weather	Weather Forecasting/Climate Change	Astronomy and the Universe	The Inner Solar System	The Outer Solar System	Life Sciences	The Environment	Physical/Chemical	
A: Science as Inquiry																	
Abilities necessary to do scientific inquiry	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Understandings about scientific inquiry	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
B: Physical Science																	
Properties and changes of properties in matter	•	•	•	•	•	•	•	•	•	•	•	•				•	
Motions and forces	•	•	•	•	•	•	•	•	•	•	•	•				•	
Transfer of energy	•	•	•	•	•	•	•	•	•	•	•	•		•		•	
C: Life Science																	
Structure and function in living systems	•													•			
Reproduction and heredity	•													•			
Regulation and behavior	•													•			
Populations and ecosystems	•	•				•	•							•			
Diversity and adaptations of organisms	•	•				•	•							•			
D: Earth and Space Science																	
Structure of the earth system	•	•	•	•	•	•	•	•	•	•		•			•		
Earth's history	•	•	•	•	•	•	•	•	•	•		•			•		
Earth in the solar system	•	•			•	•	•	•	•	•		•					
E: Science and Technology																	
Abilities of technological design	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Understandings about science and technology	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
F: Personal and Social Perspectives																	
Personal health	•	•			•		•		•	•				•			
Populations, resources, and environments	•	•	•				•		•	•				•			
Natural hazards	•	•	•	•				•	•	•		•		•			
Risks and benefits	•	•	•	•				•	•	•		•		•			
Science and technology in society	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
G: History and Nature of Science																	
Science as a human endeavor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Nature of science	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
History of science	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	