

SUN LAB STANDARDS ALIGNMENT

NOVA

9th through 12th grade

National Science Education Standards	Sun 101	Space Weather	Tech & Discovery	The Sun Lab
Science as inquiry				
1. Understandings about scientific inquiry	√		√	√
Physical science				
1. Structure of atoms	√	√	√	
2. Structure and properties of matter	√	√		
3. Chemical reactions	√	√	√	
4. Motion and forces	√	√	√	
5. Conservation of energy and the increase in disorder	√	√	√	
6. Interactions of energy and matter	√	√	√	
Earth and space science				
1. Energy in the earth system		√		√
2. Geochemical cycles				
3. The origin and evolution of the earth system	√			
4. The origin and evolution of the universe	√		√	√
Science and technology				
1. Abilities of technological design				
2. Understandings about science and technology				
Science in personal and social perspectives				
1. Personal and community health		√		
2. Population growth				
3. Natural resources				
4. Environmental quality				
5. Natural and human-induced hazards		√		√
6. Science and technology in local, national, and global challenges			√	
History and nature of science				
1. Science as a human endeavor				
2. Nature of scientific knowledge				√
3. Historical perspectives	√			