NATIONAL SCIENCE STANDARDS

A. Science as inquiry
   1. Identify questions and concepts that guide scientific investigations
   2. Design and conduct scientific investigations
   3. Use technology and mathematics to improve investigations and communications
   4. Formulate and revise scientific explanations and models using logic and evidence
   5. Recognize and analyze alternative explanations and models
   6. Communicate and defend a scientific argument

B. Physical science
   1. Structure of atoms
   2. Structure and properties of matter
   3. Chemical reactions
   4. Motions and forces
   5. Conservation of energy and the increase in disorder
   6. Interactions of energy and matter

C. Life science
   1. The cell
   2. The molecular basis of heredity
   3. Biological evolution
   4. The interdependence of organisms
   5. Matter, energy, and organization in living systems
   6. The behavior of organisms

D. 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

E. Science and technology
   1. Abilities of technological design
   2. Understandings about science and technology
   3. Implement a proposed solution
   4. Evaluate the solution and its consequences
   5. Communicate the problem, process and solution

F. Science in personal and social perspective
   1. Personal and community health
   2. Population growth
   3. Natural resources
   4. Environmental quality
   5. Natural and human-induced hazards
   6. Science and technology (local, national and global)

G. History and nature of science
   1. Science as a human endeavor
   2. Nature of scientific knowledge
   3. Historical perspectives

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Event	Standard Number	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	E1	E2	E3	E4	E5	F1	F2	F3	F4	F5	F6	G1	G2	G3
1. Agriculture and Biotechnology Design		X	X	X	X	X	X					X				X								X	X	X	X	X							X	X	X
2. Animatronics				X		X					X													X	X	X	X	X									
3. Architectural Model									X		X	X	X							X	X			X	X	X	X	X	X	X	X	X	X	X			
4. Career Comparisons		X	X																					X	X												
5. Chapter Team (Written and Oral)																																						
6. CAD, Architecture with Animation						X	X																	X													
7. CAD, Engineering with Animation						X	X																	X													
8. Construction Systems																													X	X	X	X	X	X			
9. Cyberspace Pursuit				X																						X	X										
10. Debating Technological Issues																									X			X	X	X	X	X	X	X	X	X	X
11. Desktop Publishing				X																																	
12. Dragster Design				X	X	X					X	X	X											X	X	X	X	X									
13. Electronic Game Design																								X				X									
14. Electronic Research and Experimentation													X											X	X	X	X	X									
15. Engineering Design		X	X	X	X	X	X				X	X	X						X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X
16. Essays on Technology		X	X	X	X	X	X																														
17. Extemporaneous Presentation																													X	X	X	X	X	X		X	X
18. Fashion Design				X																																	
19. Film																								X	X	X	X	X						X			
20. Flight Endurance		X		X	X	X					X		X											X	X	X	X								X	X	X
21. Future Technology Teacher																								X	X	X	X	X									
22. Imaging Technology																								X	X	X	X	X	X	X	X	X	X	X	X	X	X
23. Manufacturing Prototype		X	X	X	X	X	X																	X	X	X	X	X									
24. Medical Technology		X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X					X	X	X	X	X							X	X	X
25. Music Production																				X																	
26. On Demand Video																								X	X	X	X	X					X	X			
27. Prepared Presentation																									X									X	X	X	X
28. Promotional Graphics																								X	X	X	X	X									
29. Radio Controlled Transportation			X	X	X																			X		X	X										
30. SciViz		X	X	X	X	X	X																		X	X		X										X
31. Structural Engineering									X		X													X	X	X	X	X									
32. System Control Technology				X	X	X					X		X											X	X	X	X	X							X	X	X
33. Technical Sketching and Application																								X	X	X	X	X									
34. Technology Bowl (Written and Oral)				X					X																	X		X		X	X		X				
35. Technology Dare		X	X	X	X	X					X		X							X				X	X	X	X	X									
36. Technology Problem Solving					X		X																	X	X	X	X	X									
37. Transportation Modeling				X	X	X					X	X	X											X	X	X	X	X									