

SCIENCE CONTENT STANDARDS (GRADES 5-8)

- A. Science as inquiry
 - Students should develop
 - 1. Abilities necessary to do scientific inquiry
 - 2. Understandings about scientific inquiry
- B. Physical science
 - Students should develop an understanding of
 - 1. Properties and changes of properties in matter
 - 2. Motions and forces
 - 3. Transfer of energy
- C. Life science
 - Students should develop understanding of
 - 1. Structure and function in living systems
 - 2. Reproduction and heredity
 - 3. Regulation and behavior
 - 4. Populations and ecosystems
 - 5. Diversity and adaptations of organisms
- D. Earth and space science
 - Students should develop an understanding of
 - 1. Structure of the earth system
 - 2. Earth's history
 - 3. Earth in the solar system
- E. Science and technology
 - Students should develop
 - 1. Abilities of technological design
 - 2. Understanding about science and technology
- F. Science in personal and social perspective
 - Students should develop understanding of
 - 1. Personal health
 - 2. Populations, resources, and environments
 - 3. Natural hazards
 - 4. Risks and benefits
 - 5. Science and technology in society
- G. History and nature of science
 - Students should develop understanding of
 - 1. Science as a human endeavor
 - 2. Nature of science
 - 3. History of science

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		SCIENCE CONTENT STANDARDS																						
Event	Standard Number	A1	A2	B1	B2	B3	C1	C2	C3	C4	C5	D1	D2	D3	E1	E2	F1	F2	F3	F4	F5	G1	G2	G3
Agriculture and Biotechnology Issues		X	X												X	X						X	X	X
Career Prep		X	X												X	X								
Challenging Technology Issues															X	X	X	X	X	X	X	X	X	X
Chapter Team																								
Communication Challenge															X	X	X	X	X	X	X			
Construction Challenge																								
Digital Photography															X	X								X
Dragster		X			X	X									X	X								
Electronic Gaming																								
Engineering Structure					X	X									X	X								
Environmental Focus		X	X	X	X	X	X		X	X	X	X		X	X	X		X	X		X	X	X	X
Flight		X	X		X	X									X	X						X	X	X
Global Manufacturing		X	X												X	X								
Go Green Manufacturing		X	X												X	X								
Graphic Design															X	X								
Inventions and Innovations		X	X												X	X								X
Leadership Strategies																					X			
Lights, Camera, Action															X	X								
Medical Technology Issues		X	X	X			X		X		X				X	X	X				X	X	X	X
Multimedia Production															X	X								
Prepared Speech																		X		X	X			
Problem Solving			X												X	X								
Robot TOBOR		X	X		X										X	X								
System Control Technology		X	X		X	X									X	X						X	X	X
Tech Bowl			X	X	X											X					X			X
Technical Drawing		X	X																					
Techno Talk															X	X					X			
Transportation Challenge		X	X		X																			
TSA Cup: Marine Design		X	X		X										X	X								X
Website Design															X	X					X			
Write Now! Technical Writing		X	X													X								
ZAP IT! Electrical Applications						X									X	X								