

**TECHNOLOGY CONTENT STANDARDS**

- Standard 1: Students will develop an understanding of the characteristics and scope of technology.
- Standard 2: Students will develop an understanding of the core concepts of technology.
- Standard 3: Students will develop an understanding of the relationships among technologies and the connections between technologies and other fields of study.
- Standard 4: Students will develop an understanding of the cultural, social, economic, and political aspects of technology.
- Standard 5: Students will develop an understanding of the effects of technology on the environment.
- Standard 6: Students will develop an understanding of the role of society in the development and use of technology.
- Standard 7: Students will develop an understanding of the influence of technology on history.
- Standard 8: Students will develop an understanding of the attributes of design.
- Standard 9: Students will develop an understanding of engineering design.
- Standard 10: Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.
- Standard 11: Students will develop the abilities to apply the design process.
- Standard 12: Students will develop the abilities to use and maintain technological products and systems.
- Standard 13: Students will develop the abilities to assess the impact of products and systems.
- Standard 14: Students will develop an understanding of and be able to select and use medical technologies.
- Standard 15: Students will develop an understanding of and be able to select and use agricultural and related biotechnologies.
- Standard 16: Students will develop an understanding of and be able to select and use energy and power technologies.
- Standard 17: Students will develop an understanding of and be able to select and use information and communication technologies.
- Standard 18: Students will develop an understanding of and be able to select and use transportation technologies.
- Standard 19: Students will develop an understanding of and be able to select and use manufacturing technologies.
- Standard 20: Students will develop an understanding of and be able to select and use construction technologies.

These technology content standards are noted in *Standards for Technological Literacy: Content for the Study of Technology* (ITEA, 2000/2002/2007) and are used with permission. ([www.iteaconnect.org](http://www.iteaconnect.org))



TECHNOLOGY CONTENT STANDARDS																					
Event	Standard Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Agriculture and Biotechnology Issues		X	X	X	X	X					X		X	X		X					
Career Prep															X	X	X	X	X	X	X
Challenging Technology Issues					X	X								X	X	X	X	X	X	X	X
Chapter Team											X										
Communication Challenge									X	X	X	X	X								
Construction Challenge									X	X	X	X	X					X			
Digital Photography									X	X	X	X	X								
Dragster									X	X	X	X	X				X				
Electronic Gaming									X	X	X	X	X					X			
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	X
Flight				X					X	X	X	X	X					X			
Global Manufacturing						X			X	X	X	X	X							X	
Go Green Manufacturing						X	X		X	X	X	X	X							X	X
Graphic Design				X					X			X	X	X				X			
Inventions and Innovations					X	X		X	X	X	X				X	X	X	X	X	X	X
Leadership Strategies																					
Lights, Camera, Action				X					X		X	X	X	X				X			
Medical Technology Issues					X	X	X		X	X	X	X	X		X						
Multimedia Production					X	X	X		X	X	X	X	X	X	X			X			
Prepared Speech										X	X	X	X					X			
Problem Solving									X	X	X	X	X								
Robot TOBOR									X	X	X	X	X	X				X	X	X	X
System Control Technology				X					X	X	X	X	X	X			X	X	X	X	X
Tech Bowl														X	X	X	X	X	X	X	X
Technical Drawing									X	X	X	X	X								
Techno Talk					X	X	X														
Transportation Challenge									X	X	X	X	X	X			X		X	X	X
TSA Cup: Marine Design									X	X	X	X	X	X					X	X	X
Website Design									X	X	X	X	X	X							
Write Now! Technical Writing		X	X	X	X	X	X							X							
ZAP IT! Electrical Applications								X	X	X	X	X	X	X	X	X	X	X	X	X	X