

CONTENT STANDARDS

National Standards

(Source of standards: *Standards for Technological Literacy*, International Technology Education Association, 2002)

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 technology and other fields of study.

Standard 4 - Students will develop an understanding of the cultural, social, economic, and political effects 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 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 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.

**Standards for Technological Literacy
Crosswalked with Construction Zone Workstations**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Air Conditioning/Refrigeration	X	X	X						X	X						X	X		X	X
Architectural Structures	X	X	X				X	X	X	X	X	X				X	X		X	X
Bricklayer	X	X	X					X	X	X	X	X					X		X	X
Cabinetmaker	X	X	X					X	X	X	X	X					X		X	X
CAD	X	X	X					X	X	X	X	X					X		X	X
Carpenter	X	X	X					X	X	X	X	X					X		X	X
Cement Mason	X	X	X					X	X	X	X	X					X		X	X
Construction Measurement	X	X	X						X	X	X	X					X		X	X
Drafting (Mechanical)	X	X	X				X	X	X	X	X	X					X		X	X
Drywall Installer	X	X	X					X	X	X	X	X					X		X	X
Electric Motor Repair	X	X	X						X	X						X	X		X	X
Electrician	X	X	X					X	X	X	X	X				X	X		X	X
Floor Coverings Installer	X	X	X					X	X	X	X	X					X		X	X
Glazier	X	X	X					X	X	X	X	X					X		X	X
Hydraulics	X	X	X						X	X		X				X	X		X	X
Insulation Installer	X	X	X					X	X	X	X	X					X		X	X
Landscape Design	X	X	X				X	X	X	X	X	X					X		X	X
Machinist	X	X	X						X	X						X	X		X	X
Painter	X	X	X					X	X	X	X	X					X		X	X
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

