

Standards for Technological Literacy
Technology for All Americans Project (TfAAP)
International Technology Education Association (ITEA)

Standards for Technological Literacy: Content for the Study of Technology (Technology Content Standards) was published by the International Technology Education Association (ITEA) and its Technology for All Americans Project (TfAAP) in April 2000. It defines what students should know and be able to do in order to be technologically literate and provides standards that prescribe what the outcomes of the study of technology in grades K-12 should be. However, it does not put forth a curriculum to achieve these outcomes. Technology Content Standards will help ensure that all students receive an effective education about technology by setting forth a consistent content for the study of technology.

Nature of Technology:

- Develop an understanding of the nature, characteristics and scope of technology. (ITEA, STL 1)
- Develop an understanding of the core concepts of technology. (ITEA, STL 2)
- Develop an understanding of the relationships among technologies and the connections between technology and other fields of study. (ITEA, STL 3)

Technology & Society:

- Develop an understanding of the cultural, social, economic, and political effects of technology. (ITEA, STL 4)
- Develop an understanding of the effects of technology on the environment. (ITEA, STL 5)
- Develop an understanding of the role of society in the development and use of technology. (ITEA, STL 6)
- Develop an understanding of the influence of technology on history. (ITEA, STL 7)

Design :

- Develop an understanding of the attributes of design. (ITEA, STL 8)
- Develop an understanding of engineering design. (ITEA, STL 9)
- Develop an understanding of troubleshooting, research and development, invention and innovation, and experimentation in problem solving. (ITEA, STL 10)

Abilities for a Technological World

- Develop abilities to apply and analyze the design process. (ITEA, STL 11)
- Develop abilities to use and maintain technological products and systems. (ITEA, STL 12)
- Develop abilities to assess the impact of technology products and Systems (ITEA, STL 13)

Design World

- Develop an understanding of medical technologies. (ITEA, STL 14)
- Develop an understanding of agricultural and related biotechnologies. (ITEA, STL 15)
- Develop an understanding of energy and power technologies. (ITEA, STL 16)
- Develop an understanding of information and communication technologies. (ITEA, STL 17)
- Develop an understanding of transportation technologies. (ITEA, STL 18)
- Develop an understanding of manufacturing technologies. (ITEA, STL 19)
- Develop an understanding of construction technologies. (ITEA, STL 20)