

Impact of Technology (Grades 6-8)

Impact of Technology

I Impact of Technology IT

- a Develop abilities to assess the impacts of products and systems. IT.01
 - 1 Design and use instruments to gather data. IT.01.01
 - 2 Identify trends and monitor potential consequences of technological development. IT.01.02
 - 3 Interpret and evaluate the accuracy of the information obtained and determine if it is useful. IT.01.03
 - 4 Determine if the human use of a product or system creates positive or negative results. IT.01.04
 - 5 Use data collected to analyze and interpret trends in order to identify the positive or negative effects of technology. IT.01.05
 - 6 Interpret and evaluate the accuracy of the information obtained and determine if it is useful. IT.01.06
 - 7 Analyze important ideas and messages in informational text to determine the impact of a technology product or system. IT.01.07
- b Recognize and explain the cultural, social, economic, and political effects of technology. IT.02
 - 1 Assess the impact of technology as it affects humans. IT.02.01
 - 2 Examine how technology use changes our environment. IT.02.02
 - 3 Describe how the use of technology poses ethical problems. IT.02.03
 - 4 Describe achievements of people from different backgrounds and abilities who have made various contributions to technology and science. IT.02.04
 - 5 Evaluate the historical impact of various technological and scientific contributions. IT.02.05
 - 6 Cite instances where technology has caused cultural, social, economic, and political changes. IT.02.06

- c Explain the effects of technology on the environment. IT.03
 - 1 Assess the impact of the management of technological waste on society. IT.03.01
 - 2 Investigate how the decision to use technology puts environmental and economic concerns in direct competition with each other. IT.03.02
 - 3 Recognize and explain that technological changes and advances have consequences for the immediate environment. IT.03.03
 - 4 Evaluate local, regional or global issues surrounding technology. IT.03.04
 - 5 Defend how technologies can be used to repair damage caused by natural disasters. IT.03.05
 - 6 Describe how technologies can be used to break down wastes that result from the use of various products and systems. IT.03.06