Connecticut CTE

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

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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