

Grade 7

Adopted 2007

Nature, Concepts and Systems (systems thinking, interactions, and design)

1: Students understand the history and progression of technology in relation to the development and design of future technology.

1. Outline the implications of increasing computing potential over time. [7.NC.1.1](#)
-

2: Students analyze the parts of a technological system in terms of input, process, output, and feedback.

1. Describe how subsystems work within a larger system. [7.NC.2.1](#)
-

3: Students analyze the relationships and the connections between technologies in different fields of study and how they apply to communities.

1. Compare technology education skills required to pursue a variety of career paths. [7.NC.3.1](#)
-

4: Students understand the purpose and demonstrate the use of the design process in problem solving.

1. Provide examples that show the universal nature of the design process. [7.NC.4.1](#)
-

Social Interactions in Information & Communication Technology

1: Students understand the safe, ethical, legal, and societal issues related to technology.

1. Correlate the costs and consequences resulting from illegal/unethical use of technology as it relates to changes in society. [7.SI.1.1](#)
-

2: Students investigate the advantages and disadvantages of technology.

1. Determine which innovations in technology have produced the greatest impact on society. [7.SI.2.1](#)
-

Information & Communication Technology Tools

1: Students recognize and demonstrate skills in operating technological systems.

1. Describe the factors that contribute to increased/decreased functionality in a technological system. [7.CT.1.1](#)

2: Students use technology to enhance learning, extend capability, and promote creativity.

1. Recognize differences between applications and their uses. [7.CT.2.1](#)
 2. Demonstrate ways that communication technologies interrelate. [7.CT.2.2](#)
 3. Create projects using technology applications and tools. [7.CT.2.3](#)
-

3: Students evaluate and select information tools based on the appropriateness to specific tasks

1. Evaluate the effectiveness of new tools. [7.CT.3.1](#)
-

**Information &
Communication
Technology Processes**

1: Students understand the purpose of information technologies to communicate with a variety of collaborators.

1. Compare various ways in which you can use collaborative technologies to present information. [7.CP.1.1](#)
-

2: Students exchange information and ideas for an identified purpose through Information Technologies.

1. Apply information technology to design on demand communication. [7.CP.2.1](#)
-

Information Literacy

1: Students use technology to locate and acquire information.

1. Compare technology systems and resources. [7.IL.1.1](#)
-

2: Students determine the reliability and relevancy of Information

1. Analyze online sources for accuracy, relevance, comprehensiveness and bias. [7.IL.2.1](#)