

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](#)
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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](#)
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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](#)
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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](#)
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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](#)
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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](#)
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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
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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
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**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
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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
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Information Literacy

1: Students use technology to locate and acquire information.

1. Compare technology systems and resources. 7.IL.1.1
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2: Students determine the reliability and relevancy of Information

1. Analyze online sources for accuracy, relevance, comprehensiveness and bias. 7.IL.2.1