

# 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](#)

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**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](#)