

# Grade 4

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. Distinguish how changes in technological tools affect outcomes. [4.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. Determine the effects of feedback in the system model. [4.NC.2.1](#)
  2. Identify the resources needed in a system in order for it to work. [4.NC.2.2](#)
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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. Identify examples of how technology changes have affected society. [4.NC.3.1](#)
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**4: Students understand the purpose and demonstrate the use of the design process in problem solving.**

1. Adapt a structured method to produce a variety of solutions to a given problem using the design process. [4.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. compare and contrast consequences of illegal and unethical technology use. [4.SI.1.1](#)
  2. Communicate issues relating to online safety. [4.SI.1.2](#)
  3. Determine where and when to cite a source of information. [4.SI.1.3](#)
  4. Identify cultural issues relating to technology. [4.SI.1.4](#)
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**2: Students investigate the advantages and disadvantages of technology.**

1. Distinguish advantages and disadvantages of technology on society. [4.SI.2.1](#)
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## Information & Communication Technology Tools

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

1. Demonstrate how to use parts of Application windows and menu options. [4.CT.1.1](#)
  2. Demonstrate the correct use of all letters, punctuation, symbol and command keys using proper techniques. [4.CT.1.2](#)
  3. Use input/output devices and other peripherals. [4.CT.1.3](#)
  4. Manage and maintain files and folders independently application. [4.CT.1.4](#)
  5. Demonstrate the correct use of all letters, punctuation, symbol and command keys. [4.CT.1.5](#)
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### **2: Students use technology to enhance learning, extend capability, and promote creativity.**

1. Use presentation application to develop a product. [4.CT.2.1](#)
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### **3: Students evaluate and select information tools based on the appropriateness to specific tasks**

1. Explain how problems are solved through innovations. [4.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. Utilize virtual collaboration environments to contribute within a group to the production of a digital output. [4.CP.1.1](#)
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### **2: Students exchange information and ideas for an identified purpose through Information Technologies.**

1. Select the best way to deliver a presentation/project deliver information and ideas based on the audience. [4.CP.2.1](#)
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## Information Literacy

### **1: Students use technology to locate and acquire information.**

1. Given a general topic predict what key details will be needed to refine a search in a database for a specific purpose. [4.IL.1.1](#)
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### **2: Students determine the reliability and relevancy of Information**

1. evaluate the relevancy of the resource. [4.IL.2.1](#)