

Grade 6

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. Compare technology from the past to the present as a progression of input, process, output. **6.NC.1.1**

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

1. Analyze the processes of technology systems. **6.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. Identify careers in various technology areas. **6.NC.3.1**

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

1. Demonstrate the iterative nature of the design process. **6.NC.4.1**

Social Interactions in Information & Communication Technology

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

1. Apply basic software/hardware solutions to protect themselves and others when using Information and Communications Technologies (ICT). **6.SI.1.1**

2: Students investigate the advantages and disadvantages of technology.

1. Analyze how adoption of technological advancements produces change. **6.SI.2.1**

Information & Communication Technology Tools

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

1. Demonstrate touch-type at 20 gwam with 2 or fewer errors per minute in a 3 minute time period. **6.CT.1.1**
2. Investigate the functionality of various storage devices providing rationale for their uses. **6.CT.1.2**

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

1. Demonstrate ways to present and publish information using a variety of common applications. **6.CT.2.1**

2. Incorporate the use of software features that demonstrate a broader understanding of the software. 6.CT.2.2

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

1. Differentiate versions of software and file formats. 6.CT.3.1

**Information &
Communication
Technology Processes**

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

1. Identify the reasons for using technology tools for interpersonal interactions. 6.CP.1.1

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

1. Compare and contrast the effects of different forms of technology on different audiences. 6.CP.2.1

Information Literacy

1: Students use technology to locate and acquire information.

1. Describe the organizational structure of searchable resources. 6.IL.1.1

2: Students determine the reliability and relevancy of Information

1. Select online sources based on a list of criteria. 6.IL.2.1