

Grades 9, 10, 11, 12

Adopted 2013

Creativity and Innovation

1.1: Demonstrate creative thinking, construct knowledge, and use information and communication technologies to develop innovative products and processes.

1. Evaluate and interpret existing knowledge to generate new ideas, products, or processes. [9-12.ICT.1.1.1](#)
 2. Create original works as a means of personal or group expression using multiple resources and formats. [9-12.ICT.1.1.2](#)
 3. Create models and simulations to explore complex systems and issues, identify trends and forecast possibilities. [9-12.ICT.1.1.3](#)
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Communication and Collaboration

2.1: Use digital media and environments to communicate and work collaboratively, to support individual learning, and to contribute to the learning of others.

1. Inquire, interact and publish with peers, experts, or others employing a variety of digital media and environments. [9-12.ICT.2.1.1](#)
 2. Collaborate with others using digital tools and media to identify issues and exchange ideas, develop new understandings, make decisions and/or solve problems. [9-12.ICT.2.1.2](#)
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Research Skills and Critical Thinking

3.1: Exercise critical thinking to plan and conduct research using a variety of information resources including print, digital and other sources

1. Design research questions and strategies based on information needs to solve an information problem or make an informed decision. [9-12.ICT.3.1.1](#)
 2. Evaluate and select a variety of resources to solve an information problem or make an informed decision. [9-12.ICT.3.1.2](#)
 3. Formulate specific searches using advanced navigation skills to access a variety of resources. [9-12.ICT.3.1.3](#)
 4. Collect, analyze, organize, and interpret data and information to make informed decisions, draw conclusions, and construct new understanding and knowledge. [9-12.ICT.3.1.4](#)
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Digital Citizenship

4.1: Understand human, cultural, and societal issues related to information and communication technologies and practice legal and ethical behavior.

1. Practice and explain importance of safe, ethical, legal, and responsible use of information and technology. [9-12.ICT.4.1.1](#)
 2. Practice and explain the importance of citing information sources. [9-12.ICT.4.1.2](#)
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Technology Operations & Concepts

5.1: Demonstrate a sound understanding of technology concepts, systems, and operations.

1. Evaluate, configure, and implement various technologies. [9-12.ICT.5.1.1](#)
2. Select, use and integrate various software applications. [9-12.ICT.5.1.2](#)
3. Troubleshoot technology systems and software applications. [9-12.ICT.5.1.3](#)
4. Integrate new technologies into current knowledge and practices. [9-12.ICT.5.1.4](#)