

# 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

## 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

## 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

## 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