

# 10th Grade

**Networks & Internet:**  
Networks link computers and devices locally and around the world allowing people to access and communicate information **10.NI**

- 1 Identify and define different network connection types (e.g., Wi-Fi, mobile data, ethernet). **10.NI.1****
- 2 Identify networkable devices. **10.NI.2****

**Hardware & Software:**  
Devices, hardware, and software work together as a system to accomplish tasks. **10.HS**

- 1 Continued growth. **10.HS.1****
- 2 Recognize the importance of and effectively perform software and security patches/updates. (CYSEC) **10.HS.2****
- 3 Identify important data or systems that need redundancy. (CYSEC) **10.HS.3****

**Troubleshooting:**  
Strategies for solving technology system problems. **10.T**

- 1 Follow appropriate guidelines that convey systematic troubleshooting techniques to identify and fix errors. **10.T.1****

**Problem Solving & Algorithms:** Strategies for understanding and solving problems **10.PSA**

- 1 Create and test an algorithm to solve a complex problem across disciplines. **10.PSA.1****

**Data Creation & Analysis:** Data can be collected, used, and presented with computing devices or digital tools. **10.DCA**

- 1 Represent complex data in more than one way to support a claim. **10.DCA.1****

**Access:** Effective searches strategies can locate information for intellectual or creative pursuits. **10.A**

- 1 Curate relevant information from digital resources using a variety of tools and methods. **10.A.1****

**Evaluate: Information sources can be evaluated for accuracy, currency, appropriateness, and purpose.** 10.E

- 1 Gather accurate, credible, and relevant sources of information, media, data, or other resources showing different perspectives. 10.E.1

**Create: It is important to both consume and produce information to be digitally literate.** 10.C

- 1 Choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication. 10.C.1

**Intellectual Property: Respect for the rights and obligations of using and sharing intellectual property.** 10.IP

- 1 Demonstrate an understanding of and respect for the rights and obligations of using and sharing intellectual property. 10.IP.1
- 2 Continued growth. 10.IP.2
- 3 Continued growth. 10.IP.3

**Impacts of Computing: Past, present, and possible future impact of technology on society.** 10.IC

- 1 Evaluate the social, personal, and economic implications technology has on society and the economy. 10.IC.1

**Social Interactions: Technology facilitates collaboration with others.** 10.SI

- 1 Evaluate the impacts of technology on social interactions. 10.SI.1

**Safety & Ethics: There are both positive and negative impacts in social and ethical behaviors for using technology.** 10.SE

- 1 Implement best practices to secure personal information. (CYSEC) 10.SE.1
- 2 Recognize the importance of monitoring your private data. (CYSEC) 10.SE.2
- 3 Manage personal data to maintain digital privacy and security and are aware of data collection technology used to track online behaviors. (CYSEC) 10.SE.3
- 4 Identify if their private data has been altered and can react appropriately. (CYSEC) 10.SE.4

**Responsible Use: Respect and dignity in virtual and physical communities.** 10.RU

- 1 Continued growth. 10.RU.1
- 2 Continued growth. 10.RU.2
- 3 Continued growth. 10.RU.3
- 4 Understand the purpose of and comply with Acceptable Use Policies. 10.RU.4

**Digital Identity: The responsibilities and opportunities that come with living, learning, and working in an interconnected digital world.** 10.DI

**1 Continued growth.** 10.DI.1