

7th Grade

Networks & Internet:
Networks link computers and devices locally and around the world allowing people to access and communicate information. 7.NI

- 1 Model how data is sent from one computer to another across networks. 7.NI.1

Hardware & Software:
Devices, hardware, and software work together as a system to accomplish tasks. 7.HS

- 1 Compare and contrast hardware and/or software options to complete a task. 7.HS.1
- 2 Continued growth. 7.HS.2
- 3 Organize, store, and retrieve digital information with minimal guidance. 7.HS.3
- 4 Describe threats to technology systems. (CYSEC) 7.HS.4
- 5 Explain how security measures protect technology systems. (CYSEC) 7.HS.5

Troubleshooting:
Strategies for solving technology system problems. 7.T

- 1 Continued growth. 7.T.1

Problem Solving & Algorithms: Strategies for understanding and solving problems. 7.PSA

- 1 Modify and test an algorithm to solve a problem. 7.PSA.1
- 2 Continued growth. 7.PSA.2

Data Creation & Analysis: Data can be collected, used, and presented with computing devices or digital tools. 7.DCA

- 1 Represent data, in more than one way, to defend your claim. 7.DCA.1

Development & Design:
Design processes to create new, useful, and

- 1 Modify programs that utilize combinations of loops, conditionals, and the manipulation of variables representing different data types. 7.DD.1

imaginative solutions to solve problems. 7.DD

Access: Effective search strategies can locate information for intellectual or creative pursuits. 7.A

1 Continued growth. 7.A.1

Information sources can be evaluated for accuracy, currency, appropriateness, and purpose. 7.E

1 Independently, evaluate information and its sources using student selected processes and strategies. 7.E.1

Create: It is important to both consume and produce information to be digitally literate. 7.C

1 Continued growth. 7.C.1

Intellectual Property: Respect for the rights and obligations of using and sharing intellectual property. 7.IP

1 With minimal guidance, properly use copyrighted works, works in the creative commons, and works in the public domain. 7.IP.1

2 Continued growth. 7.IP.2

3 Identify strategies to avoid personal works and the works of others from being pirated and plagiarized. (CYSEC) 7.IP.3

Impacts of Computing: Past, present, and possible future impact of technology on society. 7.IC

1 Compare and contrast the impacts of technology, including bias and accessibility. 7.IC.1

Social Interactions: Technology facilitates collaboration with others. 7.SI

1 Use collaborative technology to gather and share information. 7.SI.1

2 Continued growth. 7.SI.2

Safety & Ethics: There are both positive and negative impacts in social and ethical behaviors for using technology. 7.SE

1 Continued growth. 7.SE.1

2 Identify a variety of methods to maintain digital privacy and security. (CYSEC) 7.SE.2

3 Continued growth. 7.SE.3

4 Describe how to respond to threats to personal cybersecurity. (CYSEC) 7.SE.4

Responsible Use:
Respect and dignity in
virtual and physical
communities. 7.RU

1 Describe different forms of cyberbullying and the effects on all parties involved. 7.RU.1

2 Identify strategies to prevent and stop cyberbullying. 7.RU.2

3 Continued growth. 7.RU.3

4 Understand the purpose of and comply with Acceptable Use Policies. 7.RU.4

**Digital Identity: The
responsibilities and
opportunities that come
with living, learning,
and working in an
interconnected digital
world. 7.DI**

1 Evaluate how digital identity can impact a person now and in the future. 7.DI.1