

5th Grade

Networks & Internet:
Networks link computers and devices locally and around the world allowing people to access and communicate information. 5.NI

- 1 Understand that information is sent and received across physical or wireless paths. 5.NI.1

Hardware & Software:
Devices, hardware, and software work together as a system to accomplish tasks. 5.HS

- 1 Compare and contrast physical and virtual systems. 5.HS.1
- 2 Continued growth. 5.HS.2
- 3 Continued growth. 5.HS.3

Troubleshooting:
Strategies for solving technology system problems. 5.T

- 1 Continued growth. 5.T.1

Problem Solving & Algorithms: Strategies for understanding and solving problems. 5.PSA

- 1 Create a sequence of instructions from a previous decomposed task. 5.PSA.1
- 2 Debug a program that includes sequencing, loops, or conditionals. 5.PSA.2
- 3 Work collaboratively to explore multiple solutions to a task. 5.PSA.3

Data Creation & Analysis: Data can be collected, used, and presented with computing devices or digital tools. 5.DCA

- 1 Organize and present collected data to highlight comparisons and support a claim. 5.DCA.1

Development & Design:
Design processes to create new, useful, and imaginative solutions to problems. 5.DD

- 1 Continued growth. 5.DD.1
- 2 Create solutions to problems using a design method. 5.DD.2

Access: Effective search strategies can locate information for intellectual or creative pursuits. 5.A

1 Refine your keyword search to improve your results. 5.A.1

Evaluate: Information sources can be evaluated for accuracy, currency, appropriateness, and purpose. 5.E

1 Continued growth. 5.E.1

Create: It is important to both consume and produce information to be digitally literate. 5.C

1 Independently or collaboratively, create a digital product using two or more tools. 5.C.1

Intellectual Property: Respect for the rights and obligations of using and sharing intellectual property. 5.IP

1 With guidance, demonstrate an understanding of ethical issues in copyright and fair use. 5.IP.1

2 Continued growth. 5.IP.2

3 Continued growth. 5.IP.3

Impacts of Computing: Past, present, and possible future impact of technology on society. 5.IC

1 Explain how technologies can change the future. 5.IC.1

Social Interactions: Technology facilitates collaboration with others. 5.SI

1 With guidance, use collaborative technology to compare and contrast diverse perspectives. 5.SI.1

Safety & Ethics: There are both positive and negative impacts in social and ethical behaviors for using technology. 5.SE

1 Recognize that there are real-world cybersecurity problems (i.e., hacking) when interacting online. (CYSEC) 5.SE.1

2 Continued growth. 5.SE.2

3 Continued growth. 5.SE.3

4 Apply strategies to keep your private information safe online. (CYSEC) 5.SE.4

Responsible Use: Respect and dignity in

1 Demonstrate an understanding of the appropriate use of technology and information and the consequences of inappropriate use. 5.RU.1

**virtual
communities.** 5.RU

2 Use strategies that prevent and deal responsibly with cyberbullying and inappropriate behavior. 5.RU.2

3 Continued growth. 5.RU.3

4 Comply with Acceptable Use Policies. 5.RU.4

**Digital Identity:
Responsibilities and
opportunities of living,
learning, and working in
an interconnected
digital world.** 5.DI

1 Continued growth. 5.DI.1