



Integration Opportunities

English 4.C.3a,b Have students collaborate to create a public service announcement that includes multimedia components about cybersecurity and protecting personal information.

Health 4.2.k, 4.3.k Have students identify times when websites or apps request personal information and how this information may be used. Then have students discuss when it might be appropriate to share personal information and why they should not share information in certain scenarios.

Math 4.PS.1d Examine data on cybersecurity threats to identify trends and predict future risks. Analyze the data to describe characteristics and make informed decisions about best practices for online safety.

4.CYB.3 Cybersecurity

The student will examine how information is shared online and explain the importance of cybersecurity. (a) Investigate multiple ways people share information online. (b) Determine and describe when information should be shared and to whom it should be shared. (c) Describe how personal information can be collected and shared online. (d) Explain the importance of cybersecurity.

Understanding the Standard

Protecting private information from being shared is vital when connecting devices to the network or internet. Students should recognize private information such as their address, telephone number, and name and understand the significance of safeguarding personal information both on and off the Internet. Private information should only be shared with trusted adults such as parents or teachers and only when necessary. To stay safe online, students should be aware of safe practices that help keep personal information private. To protect private information, many online platforms use usernames and passwords to make sure that only certain individuals have access to a person's information. Passwords help protect privacy and strategies such as logging off of devices and keeping passwords a secret can help protect information. Appropriate use of technology as well as school and division rules when using technology should be reviewed with students on a regular basis. Consistent monitoring of students when engaged with technology should be conducted at all times.

Term	Definition
Private	Free from being observed or disturbed by other people.
Authentication (also called authorization)	The process of identifying a person and making sure they are who they say they are, such as using a password, a PIN, or biometric information.
Password	A secret code used to log into accounts and keep information private.

Prerequisite Knowledge

Students will need an understanding of how people use computing devices and the Internet to gather information and connect with others. They should also have a basic understanding of safe and unsafe actions and knowledge of the word "private" as applied to information.

Summary of a Lesson

The lesson [Private and Personal Information](#) from Common Sense Media provides a good overview of why people might share information both online and offline, and the difference between personal information that is appropriate to share and private information that should not be shared online. A great extension activity would be to examine examples of (actual or invented) text messages, social media posts, and personal websites to evaluate if the person posting them was protecting their private information well.