



## Lesson 2: Email

### Learning Objectives

- Introduce communication concepts, terms and definitions related to email.
- Introduce cybersecurity issues related to the use of email.
- Raise awareness on the appropriate behavior related to using email as an electronic tool of communication.
- Reinforce students' motor skills while navigating the game software.

### Materials You Will Need

- Computers with Carnegie Cadets: The MySecureCyberspace Game installed.
- Blank note cards and writing utensils
- Worksheet for Lesson 2: Email

### Classroom Activities (Duration: 45 minutes)

Timeline	Teacher Instructions	Student Activities
<b>Introduce Concepts (15 min)</b>	<ul style="list-style-type: none"> <li>• Ask students how many of them have their own email address while handing out the worksheet. (1 min)</li> <li>• Lead students into the game. Explain what "Email" and "Email address" are using the PAL's Cyberpedia. (Worksheet, part 1) (7 min)</li> <li>• Explain "Username" and "Password" using the PAL and worksheet. (Worksheet, part 2) (7 min)</li> </ul>	<ul style="list-style-type: none"> <li>• Start the game. Open the PAL and click on the Cyberpedia tab. Find "Email" and "Email Address" and read about them, and read part 1 of the worksheet.</li> <li>• Read about "Username" and "Password" in the Cyberpedia, and read part 2 of the worksheet.</li> </ul>
<b>Develop and Practice (20 min)</b>	<ul style="list-style-type: none"> <li>• Let students attempt the two quizzes about choosing a good username and password for Carlo. (Worksheet, part 2) (3 min)</li> <li>• Share the correct answers for the quizzes (2 min)               <ul style="list-style-type: none"> <li>• Q1: MonkeyTree</li> <li>• Q2: 2kC_6ro_5</li> </ul> </li> <li>• Distribute blank note cards to students. Have students create fake email addresses and write messages to each other on the note cards.</li> <li>• Have students create a chain and pass the cards down the chain of students until they reach the intended recipient. (5 min)</li> <li>• Let the students discuss the four questions. (10 min)</li> </ul>	<ul style="list-style-type: none"> <li>• Try quiz #1 and #2 in the worksheet.</li> <li>• Write a message to another student on the note card using a fake email address. Pass this "email" through the chain of students to the recipient.</li> <li>• Discussion questions:               <ul style="list-style-type: none"> <li>• Could others read the email message if they wanted to?</li> <li>• What personal information did you include in your email?</li> <li>• How private is the information you sent to your friend?</li> <li>• In your opinion, what could you and couldn't you include in an email message?</li> </ul> </li> </ul>
<b>Reinforce (10 min)</b>	<ul style="list-style-type: none"> <li>• Based on students' discussion, explain email and privacy:               <ul style="list-style-type: none"> <li>• Email can be read by other people or forwarded and copied countless times.</li> <li>• Keep personal information private and do not send secret or embarrassing information through email. (Worksheet, part 3) (10 min)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Read the cartoon in the worksheet and discuss email and privacy.</li> </ul>

### Learning Outcomes

At the end of this lesson, students will be able to:

- Identify cybersecurity concepts related to the use of email.
- Follow a few cybersecurity steps to secure private information online, e.g. unique username and password.
- Understand the importance of privacy and keeping personal information private.
- Have a sound understanding of how email works.
- Define the cyber defense terms introduced in this lesson.
- Navigate the game software utilizing motor skills; e.g. using the mouse, keyboard arrows.



# Worksheet 2: Email

Date: \_\_\_\_\_

Name: \_\_\_\_\_

## 1. What is Email?



You can attach text files, pictures or music to emails.



Trey, Message Center Supervisor

## 2. Username and Password

Which words are good to use for my username?

How can I make a strong password?

Quiz 1: Circle a good username for Carlo.

- CyberPortTech
- SoccerCarlo
- MonkeyTree
- CyberCarlo
- Carlo1994
- AcademyBoy

My Friends know my birthday is January 18th and my hobby is soccer!

My password is a secret. I don't tell it to anyone, not even my best friends!

Quiz 2: Circle a strong password for Carlo.

- Cool118Carlo
- 1994caRLO
- Cyber\_PortBoy
- 0118\_Carlo
- Tech\_118\_carlo
- 2kC\_6po\_5

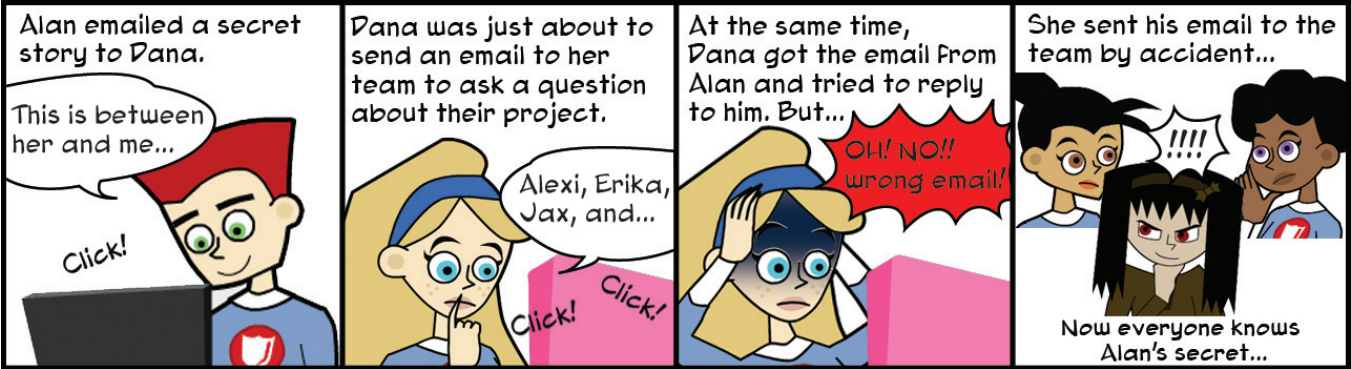


Carlo, CyberPort Technician

**Tip:** Do not use your real name and any information that could help people find or identify you, like your age, where you live, your hobbies or your gender.

**Tips:** Use a combination of letters, numbers and special characters. Make it longer than 6 characters. Change your password often to help keep it strong and secure.

## 3. Privacy in Email



**Tip:** An email passes from computer to computer across the Internet where it can be read by other people, even strangers. An email can also be easily forwarded and copied countless times. Keep in mind that you should never send secret information or embarrassing information over email. Always be careful about what information you include in an email message.