

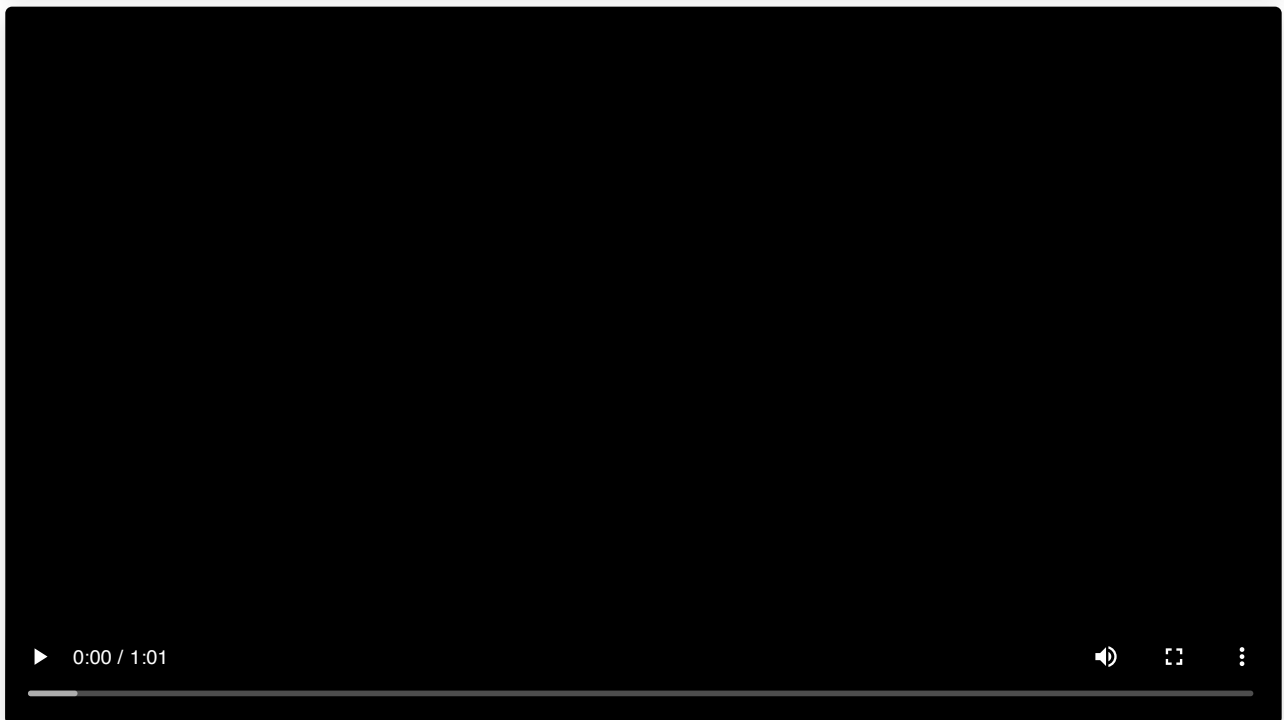
## The Internet and Communication

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### Textbook

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## The Internet and Communication



### "Logan and Charlie's Online Adventure"

It was a bright morning, and Logan and Charlie were sitting at their desks in Mrs. Anderson's second-grade classroom. They had just finished a fun art project, and now it was time for computer lab.

"Mrs. Anderson, what are we doing today?" Charlie asked.

"We're going to learn how to communicate using the internet!" Mrs. Anderson said with a smile. "The internet helps us send messages, share ideas, and learn new things."

Logan raised his hand. "Wait, you mean like sending messages to our friends?"

"Exactly!" Mrs. Anderson nodded. "But the internet lets us do even more than that. You can send emails, post pictures, and even video chat with someone who is far away!"

Charlie looked curious. "How does the internet help us talk to each other if we're not in the same place?"

"Well," Mrs. Anderson said, "the internet connects computers, tablets, and phones all over the world. It's like a giant web that links everything together, so you can talk to people in other countries!"

Logan nodded. "So, if I wanted to talk to my cousin who lives in another city, I could just send him a message or call him on the computer?"

"Exactly!" Mrs. Anderson said. "And that's the beauty of the internet. It lets us communicate with people far away, just like if they were right next to us."

Charlie thought for a moment. "But are there rules for using the internet to talk to people?"

"Good question," Mrs. Anderson said. "Yes, there are rules! It's important to be kind and respectful when communicating online. You should always ask for permission before sharing anything, and never say anything online that you wouldn't say in person."

## Let's Learn About the Internet and Communication

The internet helps us talk to people far away. With the internet, we can send messages, make video calls, and share pictures with friends and family.

### What the internet helps us do:

1. **Send messages:** We can talk to people, even if they live far away!
2. **Use different tools:** We can send emails, video chat, and share photos.
3. **Connect devices:** It's like a giant web that helps people communicate all over the world.
4. **Access websites and apps:** We can visit different places on the internet to learn and communicate.

## Checking Your Network Connection

Before you can use the internet, your device needs to be connected to a network. Here's how to tell if you're connected:

### Network Connection Symbols:

- **WiFi symbol:** Look for curved lines that look like radio waves – this shows you're connected to WiFi
- **Signal strength bars:** These bars show how strong your internet connection is
- **More bars = stronger connection:** When you see more bars filled in, your internet works better
- **Fewer bars = weaker connection:** When you see fewer bars, your internet might be slow

### Checking Your Connection:

- Look at the top corner or bottom corner of your device screen
- Find the WiFi symbol or signal bars
- If you see the symbol, you're connected to the internet

- If you don't see it, you might need to connect to WiFi first

## Different Ways to Communicate Online

The internet gives us many tools for communication:

### Digital Communication Tools:

- **Email:** Send written messages that arrive instantly
- **Video calls:** See and talk to people on your screen
- **Websites:** Visit pages with information and games
- **Apps:** Special programs that help you do different things
- **Messages:** Send quick notes back and forth

## Internet vs. Websites vs. Apps

- **Internet:** The big network that connects all devices together
- **Websites:** Special pages you visit on the internet (like going to different rooms in a big building)
- **Apps:** Programs you download that use the internet to work (like games or messaging tools)

## Safe Communication Rules

When using the internet to communicate:

- Be kind and respectful when talking to others online
- Ask for permission before sharing anything
- Only say things online that you would say in person
- Follow classroom and family rules for internet use

## Critical Thinking Questions

1. How can you tell if your device is connected to the internet?
2. What are some tools people use to communicate on the internet?
3. What is the difference between the internet, websites, and apps?

## Sentence Stems

These sentence starters help us talk about internet communication:

1. "The internet helps us (blank) by (blank)."
2. "I can communicate with (blank) using (blank)."
3. "The difference between (blank) and (blank) is (blank)."

## Questions (5)

### 1. What does the internet help people do?

MULTIPLE CHOICE

Choose the correct answer:

- A. Stay away from each other
- B. Watch only TV shows
- C. Communicate and share information with others
- D. Play games without talking

### 2. How can you use the internet to talk to someone far away?

MULTIPLE CHOICE

Choose the correct answer:

- A. Only by sending letters in the mail
- B. By using a phone with no screen
- C. By playing video games with no talking
- D. By sending emails or video chatting

### 3. How is the internet like a giant web?

MULTIPLE CHOICE

Choose the correct answer:

- A. It can catch bugs
- B. It connects people and devices around the world
- C. It can only be used for talking to animals
- D. It lets you travel to other countries

### 4. True or False: A website is a place you can visit on the internet.

MULTIPLE CHOICE

Choose the correct answer:

- A. True
- B. False

### 5. Which symbol means your device is connected to WiFi?

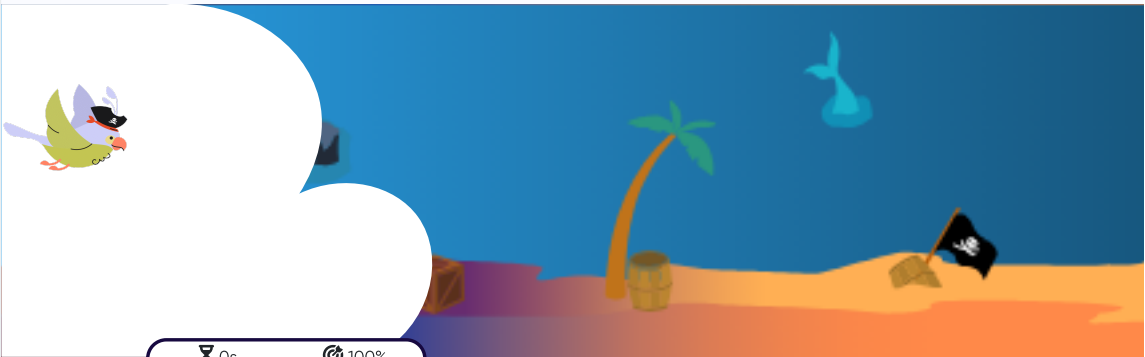
Choose the correct answer:

- A. A smiley face
- B. A WiFi signal
- C. A red X
- D. A stop sign

## Games (3)

### 1. Internet and Communication Typing Race

Full Screen Audio Instructions Restart Pause



0s 100%

i n t e r n e t h e l p s u s t a l k w i t h

## 2. Internet and Communication Matching

Match the communication tool to its description.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Matches

Attempts: 0

Email

Video call

Online chat

You send a picture to a friend or family member.



You see and hear the person you're talking to.

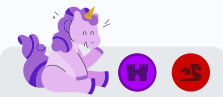


You send a message that someone can read later.



Sharing a photo

You type back and forth quickly with someone.



### 3. Internet and Communication Categories

Place the example in the correct category.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Order

Attempts: 0

Polaroid picture

Go to grandma's house

Video call to grandma




Sharing a photo

Paper letters

Sending an email

Ways we communicate online

Ways we communicate without internet



## Blocks Challenges (5)

### 1. Square Dance



#### Square Dance

A square has four sides and all its angles are 90 degrees. Program your sprite to move in a square using the motion blocks.

1 8 1



Submit ↑



### 2. Backstroke Swim



#### Backstroke Swim

Some species of fish can swim backward! Unlike most fish who only swim forward, certain fish like the parrotfish can move backward!

Program the fish sprite to swim around the scene using the motion blocks. Try and have your fish swim backward!

1 12 1



Submit ↑





### 3. Bubble Pop

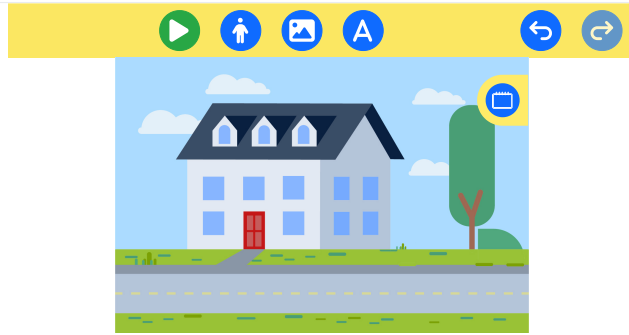


#### Bubble Pop

Fun Fact: Bubbles expand when they rise because air pressure decreases the higher they go.

Using the circle sprite as your bubble, program the sprite to grow in size as it moves up the scene. Finally make it disappear (hint: use the look blocks) because it "popped".

1 6 5 1



Submit ↑



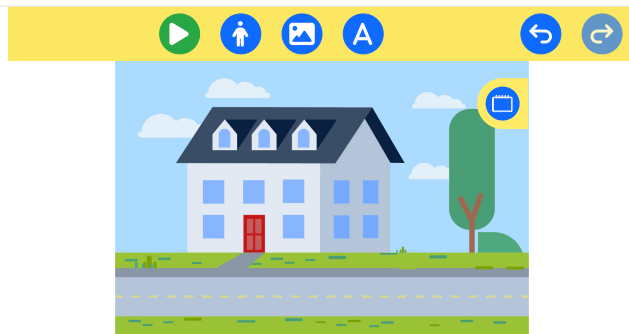
### 4. Full Circle



#### Full Circle

Program your sprite to move in a full circle. Don't get dizzy!

1 12 1



Submit ↑



## 5. Line Dance



### Line Dance

It's the day of the school wide line dance celebration. Can you program your sprite to teach it the following line dance?

2 steps to the right

A shout "stomp"

2 steps to the left

A shout "stomp"

3 hops



Submit ↑



## Answer Keys & Solutions

### Questions

#### 1. What does the internet help people do?

MULTIPLE CHOICE

**Correct Answer:**

- A. Stay away from each other ✗ Incorrect
- B. Watch only TV shows ✗ Incorrect
- C. Communicate and share information with others ✓ Correct
- D. Play games without talking ✗ Incorrect

#### Explanation:

Think about how it helps you?

#### 2. How can you use the internet to talk to someone far away?

MULTIPLE CHOICE

**Correct Answer:**

- A. Only by sending letters in the mail ✗ Incorrect
- B. By using a phone with no screen ✗ Incorrect
- C. By playing video games with no talking ✗ Incorrect
- D. By sending emails or video chatting ✓ Correct

#### 3. How is the internet like a giant web?

MULTIPLE CHOICE

**Correct Answer:**

- A. It can catch bugs ✗ Incorrect
- B. It connects people and devices around the world ✓ Correct
- C. It can only be used for talking to animals ✗ Incorrect
- D. It lets you travel to other countries ✗ Incorrect

### Explanation:

How does the internet connect people?

#### 4. True or False: A website is a place you can visit on the internet.

MULTIPLE CHOICE

##### Correct Answer:

A. True ✓ Correct

B. False ✗ Incorrect

#### 5. Which symbol means your device is connected to WiFi?

MULTIPLE CHOICE

##### Correct Answer:

A. A smiley face ✗ Incorrect

B. A WiFi signal ✓ Correct

C. A red X ✗ Incorrect

D. A stop sign ✗ Incorrect

### Explanation:

Look for the symbol with curved lines that looks like a fan or waves.

## Games

### 1. Internet and Communication Typing Race

Typing game - no answer key needed. Students practice typing the provided content.

### 2. Internet and Communication Matching

#### Matching Game Solutions:

1. →
2. →
3. →
4. →

*Students must drag items from the left to match with corresponding items on the right.*

### **3. Internet and Communication Categories**

#### **Category Solutions:**

#### **Category 1: Ways we communicate online**

- Sending an email
- Sharing a photo
- Video call to grandma

#### **Category 2: Ways we communicate without internet**

- Paper letters
- Polaroid picture
- Go to grandma's house

#### **Scoring:**

- Gold: 1 attempts or fewer
- Silver: 2 attempts or fewer
- Bronze: 3 attempts or fewer

*Students must sort items into their correct categories.*