

# Teamwork

---

## Textbook

---

## Teamwork



### The Coding Project Team

Sofia, Miles, and Tariq were assigned to create a story animation together in computer lab.

"This is a big project," Sofia said, looking at the requirements. "We need three scenes, multiple sprites, and sounds."

Miles checked the list. "That's a lot for one person."

Tariq suggested, "What if we each do different parts?"

Sofia said, "We could work as a team! Let's divide the work."

They made a plan. Sofia would code the sprite movements. Miles would create the backgrounds and scenes. Tariq would add sounds and test everything.

As they worked, they helped each other. When Sofia's sprite wouldn't move right, Miles helped debug. When Tariq couldn't get the sound timing correct, Sofia adjusted the wait blocks.

By the end of class, they had created an amazing animation.

"We did it by working together," Tariq said. "Everyone's part was important."

### What Is Teamwork?

Teamwork means working together to reach a goal. In coding projects, it means:

- Sharing responsibilities
- Helping when someone needs it
- Combining different skills

- Solving problems together

## Why Use Teamwork in Coding?

Teams can:

- Create bigger projects
- Solve problems faster
- Learn from each other
- Share the workload
- Combine different ideas

## Team Roles for Coding Projects

Common roles include:

- **Lead Coder:** Writes main code sections
- **Designer:** Chooses sprites and backgrounds
- **Tester:** Checks for bugs and errors
- **Organizer:** Keeps track of progress

Teams can also rotate roles!

## Collaboration Strategies

Good teams:

- **Plan together:** Decide what to create
- **Divide tasks:** Give everyone a job
- **Communicate:** Share ideas and problems
- **Support each other:** Help when needed
- **Combine work:** Put pieces together

## Digital Collaboration Tools

When coding together:

- Take turns at the computer
- Watch and suggest ideas
- Test each other's code
- Share sprite selections
- Review the final project

## Communication in Teams

Use clear communication:

- "I'm working on..."
- "Can you help with..."
- "I found a bug in..."
- "Great job on..."
- "What if we try..."

## Problem-Solving Together

When facing challenges:

1. Identify the problem clearly
2. Listen to everyone's ideas
3. Try different solutions
4. Test results together
5. Celebrate successes

## Respecting Team Members

Good teammates:

- Listen to all ideas
- Take turns speaking
- Value different skills
- Share credit equally
- Stay focused on the goal

## Handling Disagreements

When teams disagree:

- Stay calm and respectful
- Focus on the project goal
- Try each idea if possible
- Ask teacher for guidance
- Find compromises

## Team Debugging

Teams debug better by:

- Having fresh eyes look at code
- Explaining code to each other
- Testing different sections
- Sharing debugging strategies
- Celebrating when bugs are fixed

## Combining Individual Work

To merge team parts:

1. Save each person's work
2. Plan the combination order
3. Add pieces one at a time
4. Test after each addition
5. Debug together if needed

## Team Project Examples

Story Animation:

- Person 1: Character movements
- Person 2: Backgrounds and scenes
- Person 3: Sounds and testing

Game Creation:

- Person 1: Player sprite code
- Person 2: Obstacle sprites
- Person 3: Scoring system

## Reflecting on Teamwork

After projects, discuss:

- What worked well?
- What was challenging?
- How did teamwork help?
- What would you do differently?

## Critical Thinking Questions

1. How does dividing tasks help teams complete bigger projects?
2. What should you do if a teammate needs help with their part?
3. Why might three people solve a coding problem faster than one?

## Sentence Stems

- "In our team, I (blank space) while my partner (blank space)."
- "Collaboration helps us (blank space) because (blank space)."
- "Good teammates (blank space) when working together."

## Questions (5)

### 1. What does it mean to collaborate?

MULTIPLE CHOICE

Choose the correct answer:

- A. Do everything by yourself
- B. Work together
- C. Only listen to your own ideas
- D. Watch other people work

### 2. What did the kids build in the story?

MULTIPLE CHOICE

Choose the correct answer:

- A. A spaceship
- B. A block fort
- C. A treehouse
- D. A sandcastle

### 3. What sport in Argentina is known for teamwork?

MULTIPLE CHOICE

Choose the correct answer:

- A. Soccer
- B. Baseball
- C. Tennis
- D. Swimming

#### 4. True or False A designer chooses sprites and backgrounds for the project.

MULTIPLE CHOICE

Choose the correct answer:

- A. True
- B. False

#### 5. True or False Debugging means finding and fixing mistakes in the code.

MULTIPLE CHOICE

Choose the correct answer:

- A. True
- B. False

## Games (2)

### 1. Teamwork Matching

Match the term with the definition

Full Screen

Audio

Instructions

Answer Key




Pause

Clear All

Check Matches

Attempts: 0

Teamwork	Collaboration	Respect	Working together to reach a goal	Treating others kindly and listening to ideas	Using everyone's strengths
----------	---------------	---------	----------------------------------	---	----------------------------



## 2. Teamwork Categories

Place the example in the correct category if it is an example of good team member or not.

Full Screen

Audio

Instructions

Answer Key




Pause

Clear All

Check Order

Attempts: 0

			Good Team Member	Not a Good Team Member
Yells or uses rude words	Takes over and doesn't let others try	Helps someone who's stuck		
Says "good job" to a classmate	Interrupts others	Refuses to help		
Says "That's a bad idea"	Waits their turn	Shares ideas politely		
Listen when				



## Blocks Challenges (5)

### 1. Follow the Leader



#### Follow the Leader

Program at least 2 sprites to follow a leader sprite through at least 2 scenes. Get creative on the path they take!

6 12 6



Submit ↑



### 2. Kickball



#### Kickball

It's time for the kickball game! Program a sprite to "kick" the ball sprite. Use the different motion blocks to move the ball a different direction than straight across.

2 8 2



Submit ↑





### 3. Stand Guard

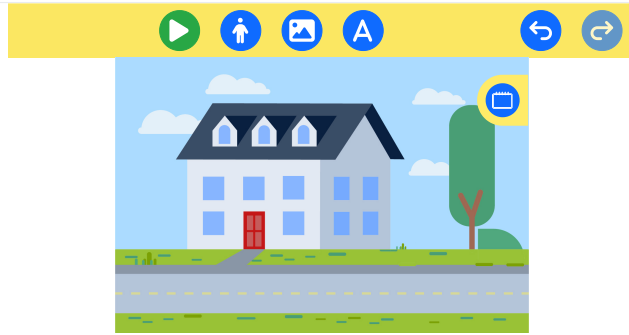


#### Stand Guard

Meerkats take turns standing guard. While others look for food, one meerkat climbs to a high spot and watches for danger. If the guard sees a predator, it makes a warning call so the others can hide.

**Program at least 3 sprites to move around the scene and hide when one of them makes the warning call.**

3 9 4 3



Submit ↑



### 4. V Formation

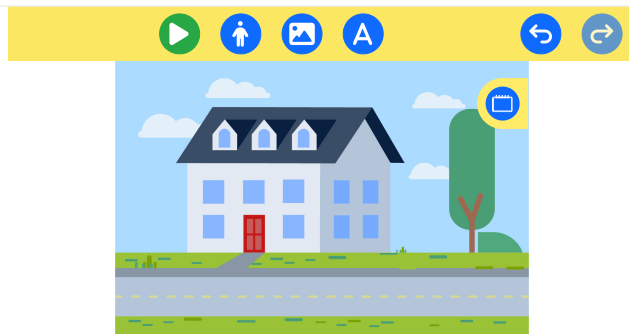


#### V Formation

Many species of birds fly in a V-shape, where each bird flies just behind and to the side of the one in front. This formation helps birds save energy and fly farther.

**Program at least 3 bird sprites to fly across the scene in a V-shape. Practice putting the birds' motion in a repeat loop.**

3 9 3 3



Submit ↑



## 5. Cheer Competition



### Cheer Competition

It's time for the town cheer competition. Program at least 2 sprites to perform a cheer routine. Use loops and sounds in your scene.

2 8 2 1 2 2



Submit ↑



## Answer Keys & Solutions

### Questions

#### 1. What does it mean to collaborate?

MULTIPLE CHOICE

**Correct Answer:**

- A. Do everything by yourself ✗ Incorrect
- B. Work together ✓ Correct
- C. Only listen to your own ideas ✗ Incorrect
- D. Watch other people work ✗ Incorrect

**Explanation:**

Collaborate is to work together

#### 2. What did the kids build in the story?

MULTIPLE CHOICE

**Correct Answer:**

- A. A spaceship ✗ Incorrect
- B. A block fort ✓ Correct
- C. A treehouse ✗ Incorrect
- D. A sandcastle ✗ Incorrect

**Explanation:**

They used big blocks to make something fun.

#### 3. What sport in Argentina is known for teamwork?

MULTIPLE CHOICE

**Correct Answer:**

- A. Soccer ✓ Correct

B. Baseball

✗ Incorrect

C. Tennis

✗ Incorrect

D. Swimming

✗ Incorrect

#### Explanation:

It's a team game with a ball and a goal!

### 4. True or False A designer chooses sprites and backgrounds for the project.

MULTIPLE CHOICE

#### Correct Answer:

A. True

✓ Correct

B. False

✗ Incorrect

#### Explanation:

Think about who makes the project look the way it should.

### 5. True or False Debugging means finding and fixing mistakes in the code.

MULTIPLE CHOICE

#### Correct Answer:

A. True

✓ Correct

B. False

✗ Incorrect

#### Explanation:

Think about what you do when something in the program doesn't work right.

## Games

### 1. Teamwork Matching

#### Matching Game Solutions:

1. →

2. →

3. →

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

## 2. Teamwork Categories

### Category Solutions:

#### Category 1: Good Team Member

- Listens when others talk
- Shares ideas politely
- Says "good job" to a classmate
- Waits their turn
- Helps someone who's stuck

#### Category 2: Not a Good Team Member

- Interrupts others
- Yells or uses rude words
- Takes over and doesn't let others try
- Refuses to help
- Says "That's a bad idea"

### Scoring:

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

*Students must sort items into their correct categories.*