

Looks

Textbook

Looks



"The Growing Code"

It was a warm, sunny afternoon, and Taylor and Max were sitting at their desks, eager to explore a new coding project in their computer class with Ms. Riley.

"Ms. Riley, what are we going to do today?" Taylor asked.

"We're going to learn about looks blocks," Ms. Riley said. "Looks blocks help you make sprites change how they look in your program. You can make them grow, shrink, hide, or show up! You can also add a speech bubble for them to say something!"

"So I can make my sprite talk?" Max asked.

"Exactly!" said Ms. Riley. "You can make your sprite say anything you want using the speech bubble block. You can also make your sprite grow, shrink, or reset its size if you want to change how big it is."

Taylor thought for a moment. "I want to make my sprite grow when I tap it, and then shrink when I tap it again!"

"That's a great idea," Ms. Riley said. "You can also use the hide and show blocks to make your sprite disappear and then appear again whenever you want."

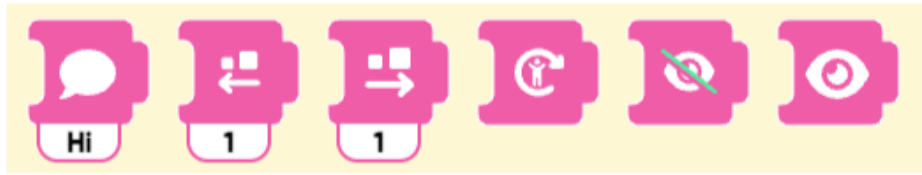
Max had another idea. "Can I make the sprite say something when it appears? Like, 'Hello!'?"

"Of course!" Ms. Riley nodded. "Using the speech bubble block."

Taylor and Max got to work, creating their programs. Taylor made her sprite grow and shrink every time it was tapped, and Max made his sprite pop up with a speech bubble that said, "Hello, world!" as soon as it appeared.

Ms. Riley observed their work. "Looks blocks can help you make your program really interesting and interactive."

Let's Learn About Looks Blocks!



Looks blocks let you change how sprites look in your program. By using these blocks, you can:

- **Grow and shrink sprites** to make them bigger or smaller
- **Reset size** to bring the sprite back to its original size
- **Hide and show sprites** to make them disappear and then appear again
- **Use the speech bubble block** to make sprites say things

Remember from Events that you need an event to start your code. You can combine event blocks with looks blocks to make visual changes happen when something occurs, like tapping a sprite or pressing the play button.

Critical Thinking Questions

1. What would happen if you used the hide block on a sprite? What could you do with it after you use show?
2. If you wanted to make a sprite say something when it first appears, which block would you use, and why?
3. How could you use the grow and shrink blocks to make a game more fun or exciting?

Sentence Stems

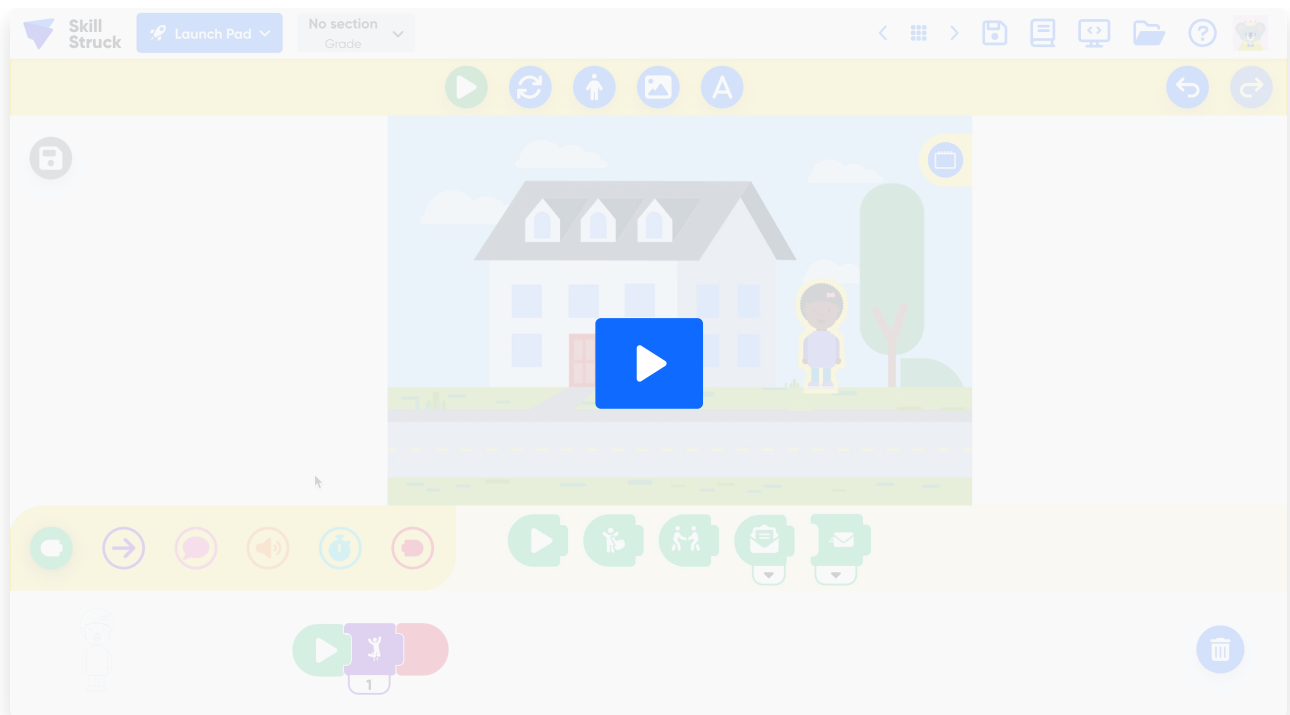
When you read or listen to the word, (blank), think of a word or an example that you can use to fill that space. For instance, if you see a sentence that says "My favorite color is (blank)," you should fill that (blank) space with your favorite color.

These sentence starters help us talk about looks blocks and practice academic language:

1. **"Looks blocks help me change (blank) by (blank)."**
2. **"When I use the (blank) block, my sprite (blank)."**
3. **"I can make my sprite (blank) and then (blank) to show (blank)."**

Looks Blocks

Watch the video to learn how to code adding a look block.



Questions (5)

1. What does the speech bubble block do in your program?

MULTIPLE CHOICE

Choose the correct answer:

- A. It makes the sprite move
- B. It makes the sprite change size
- C. It makes the sprite say something
- D. It makes the sprite disappear

2. Which block would you use to make a sprite bigger?

MULTIPLE CHOICE

Choose the correct answer:

- A. Hide
- B. Grow
- C. Show
- D. Reset Size

3. If you want to make a sprite disappear and then come back, which blocks could you use?

MULTIPLE CHOICE

Choose the correct answer:

- A. Grow and Shrink
- B. Reset Size and Show
- C. Shrink and Speech Bubble
- D. Hide and Show

4. Which block would you use to make the sprite smaller?

MULTIPLE CHOICE

Choose the correct answer:

- A. Hide
- B. Shrink
- C. Grow
- D. Speech Bubble

5. How can you make your sprite talk in your program?

MULTIPLE CHOICE

Choose the correct answer:

- A. By tapping the sprite
- B. By using the speech bubble block
- C. By using the grow block
- D. By using the reset size block

Games (3)

1. Looks Matching

Match the looks block to its description.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Matches

Attempts: 0

Make the sprite bigger or smaller

Brings the sprite back to its original

Makes the sprite disappear and appear again

Makes the sprite say things

2. Looks Categories

Categorize the instructions into the correct block type you would use to code it.

Full Screen

Audio

Instructions

Answer Key

Pause

Clear All

Check Order

Attempts: 0

Make the sprite smaller

Say "Hi there!"

Say "I love coding!"

Say "Oops!"

Make the sprite bigger

Show the sprite again

Disappear when tapped

Hide the sprite

Shrink the sprite

Grow and Shrink Blocks

Hide and Show Blocks

Speech Bubble Block

3. Looks Typing Race

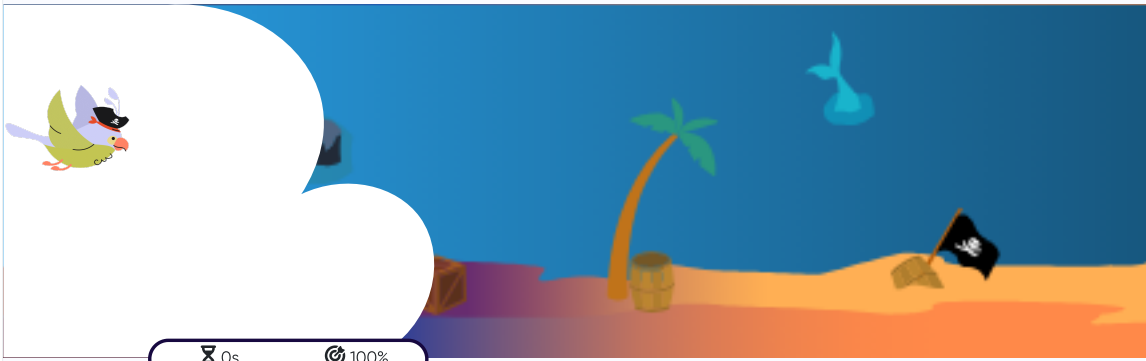
Full Screen

Audio

Instructions

Restart

Pause



0s

100%

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Blocks Challenges (5)

1. Book Talk



Book Talk

Think of a book you read. Add a sprite to your scene and tell us what happened at the beginning, middle, and end of the story by building an algorithm using the blocks.

1 3 3 1



Submit ↑



2. Favorite Birthday



Favorite Birthday

Program your sprite to tell 3 things about a favorite birthday.

1 6 3 1



Submit ↑



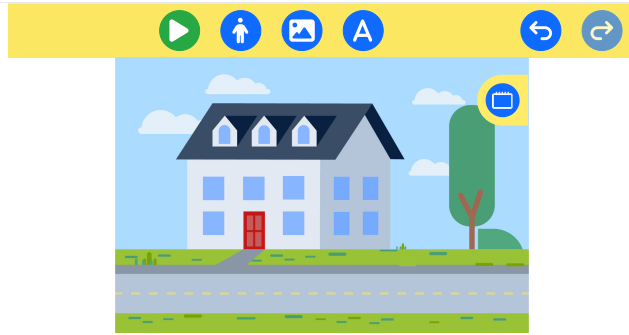
3. Bedroom Show and Tell



Bedroom Show and Tell

Using the bedroom background, program your sprite to tell us about the bedroom as you move through the scene.

1 6 4 1



Submit ↑



4. Monster Mouse

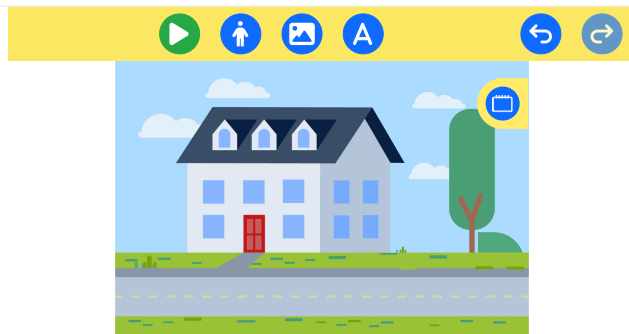


Monster Mouse

Oh no! A mouse ate a magical piece of cheese and it grew big! Luckily it was only temporary. Using the grow and shrink look blocks, Make the mouse sprite grow bigger and shrink.

Hint: Remember you can change the number on the block to make that instruction happen. Try changing the grow to 8 and see what happens!

1 2 1



Submit ↑



5. Magic Show!



Magic Show!

Marvin the Magnificent has accomplished the greatest magic trick. He can make himself disappear, just to reappear! Using a combination of motions and looks blocks, have Marvin put on his act! Hint: Remember the show and hide blocks!

1 4 3 1



Submit ↑



Answer Keys & Solutions

Questions

1. What does the speech bubble block do in your program?

MULTIPLE CHOICE

Correct Answer:

- A. It makes the sprite move ✗ Incorrect
- B. It makes the sprite change size ✗ Incorrect
- C. It makes the sprite say something ✓ Correct
- D. It makes the sprite disappear ✗ Incorrect

Explanation:

Think about how people talk or communicate in stories

2. Which block would you use to make a sprite bigger?

MULTIPLE CHOICE

Correct Answer:

- A. Hide ✗ Incorrect
- B. Grow ✓ Correct
- C. Show ✗ Incorrect
- D. Reset Size ✗ Incorrect

Explanation:

This block helps your sprite become larger.

3. If you want to make a sprite disappear and then come back, which blocks could you use?

MULTIPLE CHOICE

Correct Answer:

A. Grow and Shrink

✗ Incorrect

B. Reset Size and Show

✗ Incorrect

C. Shrink and Speech Bubble

✗ Incorrect

D. Hide and Show

✓ Correct

Explanation:

Think about making your sprite vanish and reappear.

4. Which block would you use to make the sprite smaller?

MULTIPLE CHOICE

Correct Answer:

A. Hide

✗ Incorrect

B. Shrink

✓ Correct

C. Grow

✗ Incorrect

D. Speech Bubble

✗ Incorrect

Explanation:

This block will make your sprite become smaller.

5. How can you make your sprite talk in your program?

MULTIPLE CHOICE

Correct Answer:

A. By tapping the sprite

✗ Incorrect

B. By using the speech bubble block

✓ Correct

C. By using the grow block

✗ Incorrect

D. By using the reset size block

✗ Incorrect

Explanation:

This block helps your sprite say something to the user.

1. Looks Matching

Matching Game Solutions:

1. →  Grow and shrink blocks

2. →  Reset block

3. →  hide and show blocks

4. →  speech bubble

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

2. Looks Categories

Category Solutions:

Category 1: Grow and Shrink Blocks

- Make the sprite bigger
- Make the sprite smaller
- Shrink the sprite

Category 2: Hide and Show Blocks

- Disappear when tapped
- Show the sprite again
- Hide the sprite

Category 3: Speech Bubble Block

- Say "Hi there!"
- Say "Oops!"
- Say "I love coding!"

Scoring:

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

Students must sort items into their correct categories.

3. Looks Typing Race

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