

Lesson 13: Can You Hear Me?

Powerful Ideas of Computer Science	Hardware/Software
Powerful Ideas of Literacy	Tools of Communication and Language
PTD	Communication, Community Building, Choices of Conduct
Palette of Virtues	Open-Mindedness, Generosity, Honesty
Children will be able to...	<ul style="list-style-type: none"> Identify different means of expressing emotions (e.g., facial expressions, body movements, noises, words, etc.). Use the Say block in ScratchJr Record a sound clip successfully using the Sound Recorder in ScratchJr. Use Recorded Sound Blocks in a ScratchJr program.
Vocabulary	<ul style="list-style-type: none"> Record: using your device to save your voice to listen to later Sound: a noise
Teacher Preparation	<ul style="list-style-type: none"> Read lesson plan. Open the Feeling Faces slideshow and be ready to protect it. Open the Tools of Communication slideshow and be ready to protect it.

Warm Up

- **Tell Me How You Really Feel!** (*Suggested Time: 5 minutes*)
 - Share pictures of [3 feeling faces](#) (smiling, crying, angry), then ask children what these smiley faces tell us.

Opening Tech Circle

- **Tools of Communication** (*Suggested Time: 5 minutes*)
 - Display the [Tools of Communication Anchor Chart](#) and discuss how we can communicate our thoughts and feelings.
 - Words
 - Voices
 - Discuss the difference between words and voices. Talk about how the way voices sound tells you something!
 - Faces
 - Bodies

- Ask if they can think of any other ways! ScratchJr? Numbers? Drawings?

Unplugged Time

- **Express Yourself Activity** (*Suggested Time: 10 minutes*)
 - Play a game of charades, where children act out a feeling and other children guess what the child is trying to express (e.g., the child has a frown, arms crossed, eyebrows flexed = mad/upset).
 - Give the child a message when it is their turn (e.g., “Show the class that you are happy with your body,” “Show the class that you are sad with your voice (but you can’t say ‘I’m sad’), “Show the class you’re silly with your face.”)
 - Give each child a turn to be the expressive character!

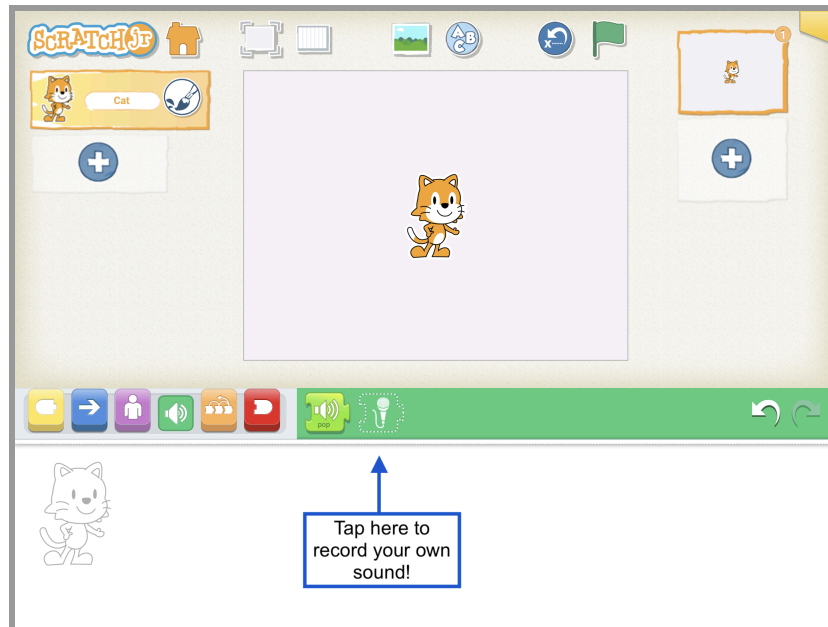
ScratchJr Time

Structure Challenge:

- **Introduce the “Say” Block** (*Suggested Time: 5 minutes*)
 - Children can use the “Say” block to have their character say something. Tap on the “Say” block to use the device keyboard to add text.

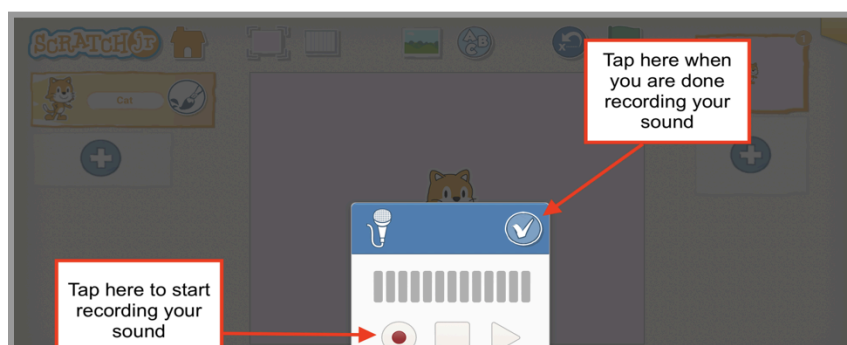


- **Play Recorded Sound** (*Suggested Time: 5 minutes*)
 - Using the Play **Sound** Recorder Block:
 1. In the programming area, tap on the green Sound symbol. Within that menu, tap on the dotted microphone block with the dotted edge to **record** sound.



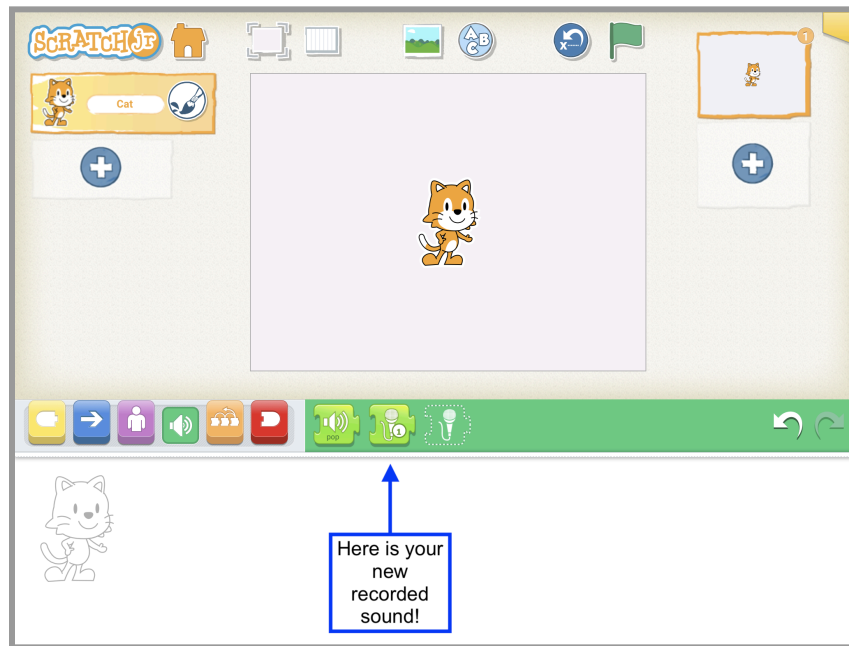
1. Tap on the red dot to record your sound. When you're done recording, push the same dot to stop recording. Then, tap on the check mark.

3. Now,
have
own
recorded
for your
program!



you
your
sound
Drag

the new block that appeared on the palette (the microphone with a number next to it) into the programming area. Tap on it and let children listen to themselves.



Expressive Explorations:

- **Let Me Hear How You Feel?** (*Suggested Time: 10 minutes*)
 - Have a child program an expressive character using the Cat in ScratchJr
 - Have children practice using the Sound Recorder block and “Say” block.
 - Ask them to record a kind message to a friend.

Closing Tech Circle

- **Share Creations** (*Suggested Time: 5 minutes*)
 - A few children share their ScratchJr programs using the Sound Recorder block.
 - Ask them to share what they did, how they did it, and what was the most exciting part of doing it (encourage them to think about the design process when talking about their projects).

Opportunities for Differentiation

- **Extra Challenge**
 - For children that need more of a challenge or scaffolding, give them the following prompts:
 - How many ways can you create a program expressing the same idea?
 - Try using communication tools, including sounds, words, motions, or the paintbrush tool.