

girls who
code

Girls Who Code At Home

Games with Friends!



ACTIVITY OVERVIEW

In this week's Code at Home activity, we're giving you the materials for a Virtual Game Night! What's the name of the game? "This or That." It's one of our favorites—and can be played many ways unplugged, or using one of your favorite drawing apps like Google Drawing or Sketch.io.

It's a great way to connect virtually with friends or family and to learn the groundwork of conditional statements, which are an important concept in computer science! Conditional statements allow computers to make decisions and enable computer scientists to create more complex solutions.

This activity works best when you use screen share to share the activity digitally or print the slides out to show your partner.

Before you dive into the activity, check out our featured Women in Tech spotlight, Mursal Hedayat. She's the founder and chief executive of Chatterbox, an online language school that trains and employs refugees to teach their native languages online and connects them with learners around the world.

Women in Tech Spotlight: Mursal Hedayat



Mursal Hedayat is the founder and chief executive of Chatterbox, an online language school that trains and employs refugees to teach their native languages online and connects them with learners around the world. Mursal was inspired to create Chatterbox after coming to the UK from Afghanistan with her mother as refugees. They were both warmly welcomed to the UK, but her mother did not have many employment opportunities. Mursal was not satisfied with this and wanted to help refugees regain their full potential in their new countries.

Chatterbox's mission is to improve the lives of refugees not just by giving them a job, but by increasing their confidence and connections to their communities. We are inspired by how Mursal drew from her mother's experience as a refugee to help improve the lives of others! Learn more about her inspiration for starting Chatterbox by watching this [video](#).



REFLECT

Being a computer scientist is about more than just coding. It's about having resilience to persevere through failure and obstacles.



RESILIENCE

In the interview, Mursal shares how she moved to the UK with her mother as refugees when she was three years old. What challenges did Mursal have to face as a refugee, and how did she overcome them?

Share your responses with a family member or friend. Encourage your friends and family to read more about Mursal to join in the discussion!



TIPS FOR A FUN ZOOM GAME NIGHT

Playing games with friends over Zoom allows you to stay connected even when we can't see each other in person. Here are some fun tips and tricks for fun Zoom's with friends!

- ★ Use the built in [whiteboard](#) to create a drawing. You can use this feature to play our game "This or That." Or, other games like Pictionary
- ★ Create a fun [virtual background](#) on Zoom
- ★ When playing games with a group of friends, use the [poll question](#) feature to ask your friends questions and see how the group responds
- ★ We know you are so excited to catch up, but make sure you mute your microphone if you are not talking so everyone on the call can hear each other clearly
- ★ Finally, we would love to see you playing games with friends. Please share a photo of you virtually hanging out with friends on social media [@girlswhocode](#)

THIS OR THAT

A game about conditional statements



THIS OR THAT GAME OVERVIEW

In this game you will create a personalized stick-figure drawing based on your preferences, for instance; if you like Star Wars you will draw a lightsaber in your stick figure's hand. Your partner will show a slide with two or four different choices. Each choice will correspond to a different item to add to your stick figure drawing. At the end of the activity, you'll share your drawing with your partner and see how it compares.

This game teaches conditional statements – or operations that are completed if a certain condition is true. We've shared more about conditional statements on the last slide.

MATERIALS & INSTRUCTIONS

MATERIALS

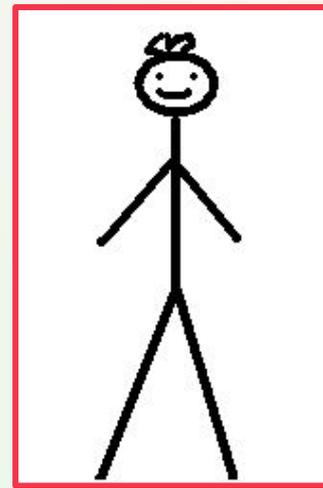
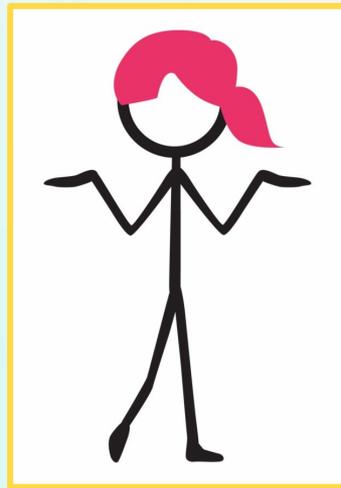
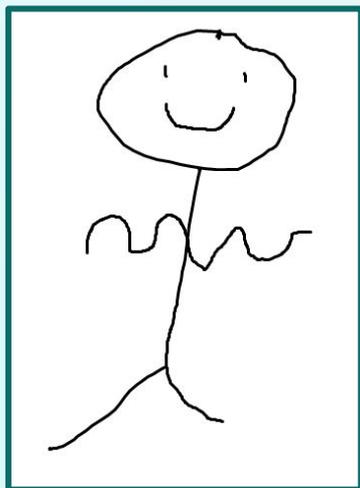
- ★ This or That activity below!
- ★ Paper
- ★ Crayons, colored pencils, or markers
- ★ (Optional) Use either [Google Drawing](#) or [Sketch.io](#) to create a digital drawing

INSTRUCTIONS

- ★ Everyone will take about 30 seconds to draw a stick figure.
 - Feel free to add some facial features like eyes, mouth, nose, hair, and accessories (earrings, glasses, etc.)
- ★ You'll be presented with a series of topics in this slideshow. Each topic has an associated item written below the topic.
- ★ You must **choose one** topic and draw the item on your stick figure.
- ★ You will only have 30 seconds each round to choose your topic and draw so choose quickly!

DRAW YOUR STICK FIGURE

Take 30 seconds now to draw your stick figure!



SAMPLE ROUND: MOVIES

STAR WARS Lightsaber



HARRY POTTER Lighting Bolt Scar

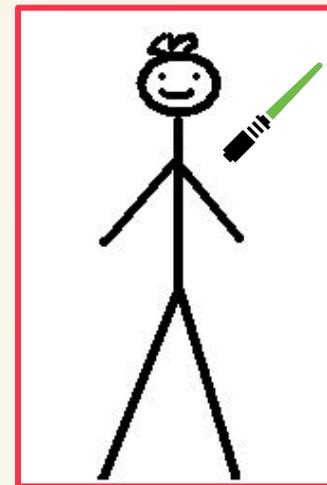
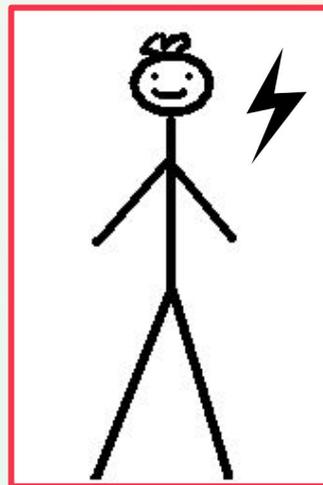


There are 2 options. You must choose one.

IF you like STAR WARS, **THEN** draw a Lightsaber.

IF you like HARRY POTTER, **THEN** draw a Lighting Bolt Scar.

You can only pick one!



ROUND 1: SUPERNATURAL

ZOMBIES

Dead Eyes



Now there are 4 options. Pick one!

IF you like the option listed at the top,

THEN draw the item *below* on your stick figure.

ALIENS

Antenna



VAMPIRES

Fangs



WEREWOLVES

Wolf Ears



ROUND 2: ANIMALS

MOUSE

Whiskers



HORSE

Pony Tail



Dolphin

Fin



RABBIT

Carrot



Again there are 4 options. Pick one!

IF you like the option listed at the top,

THEN draw the item *below* on your stick figure.

ROUND 3: BEVERAGES

WATER

Water Shoes



TEA

Slippers



Again there are 4 options. Pick one!

IF you like the option listed at the top,

THEN draw the item *below* on your stick figure.

JUICE

Sneakers



SODA

Boots



ROUND 4: STREAMING SERVICES

AMAZON

Tea Party Outfit



HULU

Red Dress



Again there are 4 options. Pick one!

IF you like the option listed at the top,

THEN draw the item *below* on your stick figure.

NETFLIX

Tiger Bodysuit



HBO GO

Black Fur Robe



ROUND 5: DESSERTS

ICE CREAM

Ice Cream Cone



PIE

Pie Slice



CAKE

Cupcake



Again there are 4 options. Pick one!

IF you like the option listed at the top,

THEN draw the item *below* on your stick figure.

COOKIES

Cookie

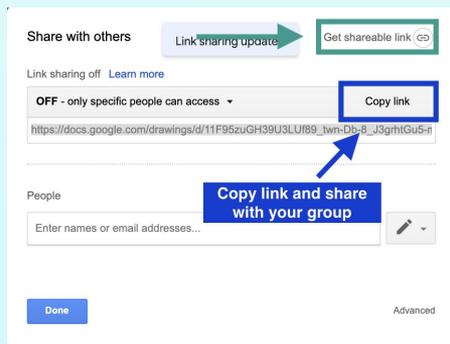


SHARE OUT

In your groups, share your stick figure drawings! Take a picture of your drawing or get a sharable link if you created a digital drawing.

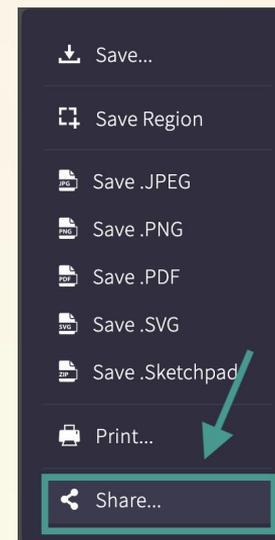
Google Drawing:

1. Click the **Share** button on the top right corner
2. Click **Get Sharable Link**.
3. **Copy and Paste** the link in your group chat!



Sketch.io:

1. Click the **Export** button  on the bottom left corner
2. Click the **Share** option in the menu.
3. A window will pop up. Click **Share** to confirm to share your drawing
4. **Copy** the link provided and **paste** into your group chat.





CONNECTION TO COMPUTER SCIENCE

After you've taken some time to reflect on the content of the activity, think a bit about the mechanics of the game you just played. If you preferred Option A then you took Action B. These are examples of conditional statements – or operations that are completed if a certain condition is true.

Once you begin recognizing these patterns you'll see them all over, especially in games. Think about Simon Says, a game where you perform an action only if it begins with the phrase “Simon says.” Or many board games, where you may only win a battle or be able to move on the board if you roll a dice combination higher than a certain number. Conditional statements are crucial in creating complex systems of instructions.