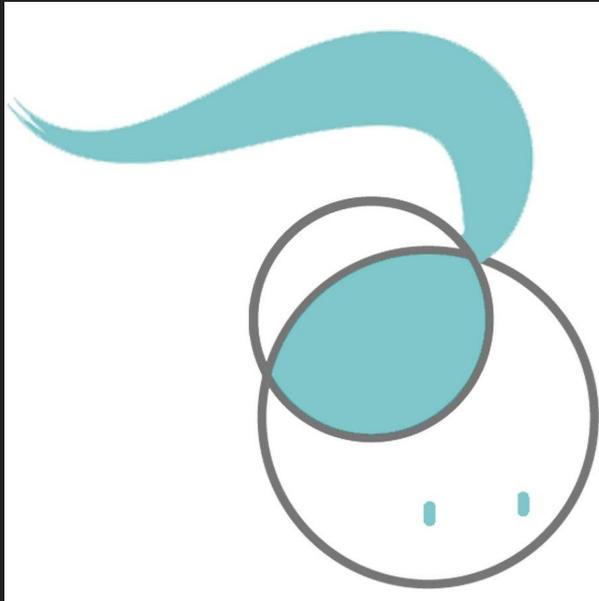


# Welcome Boolean Girls!

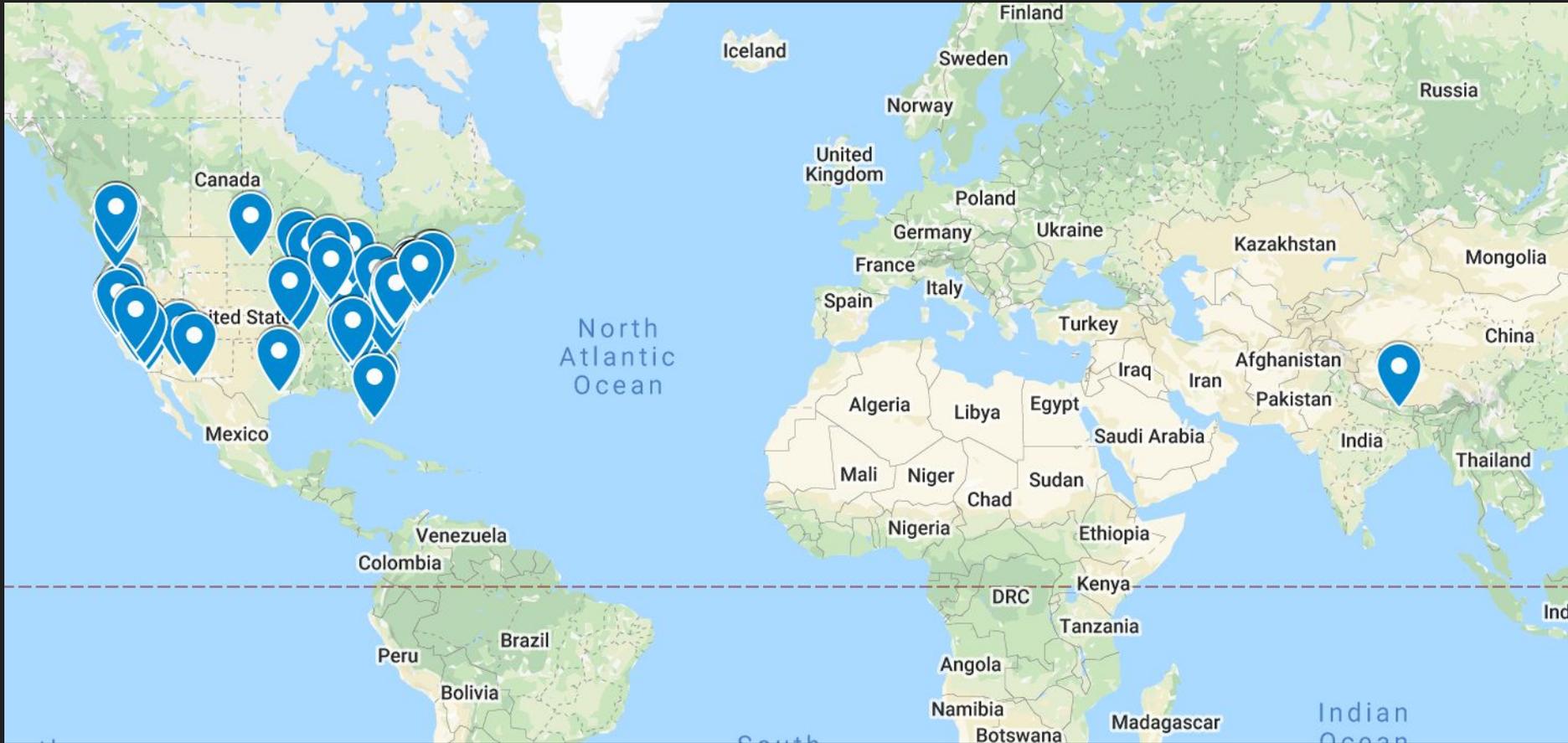
Full STEM Ahead

Episode 11: Create a Story in Scratch



If you have not already,  
In a separate browser go to  
[Scratch.mit.edu](https://Scratch.mit.edu)  
Then click “create”

We will get started shortly!

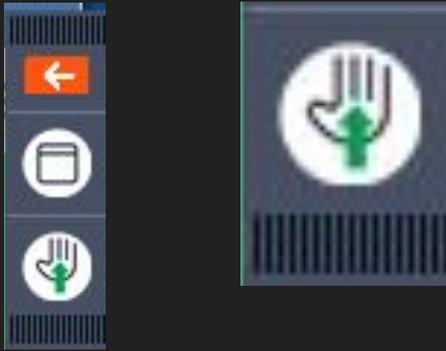




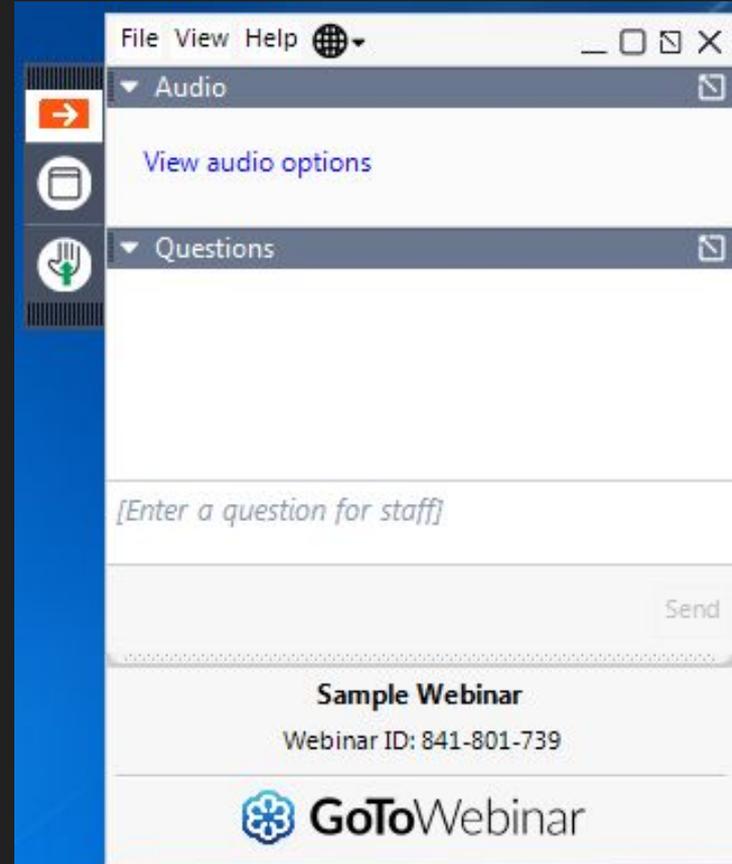
As a Boolean Girl I can...

- **Become** familiar with GoToMeeting application
- **Animate** a story in Scratch
- **Create** an algorithm using events, loops and conditionals
- **Debug** as I go

# Raise Hand



# Ask Question



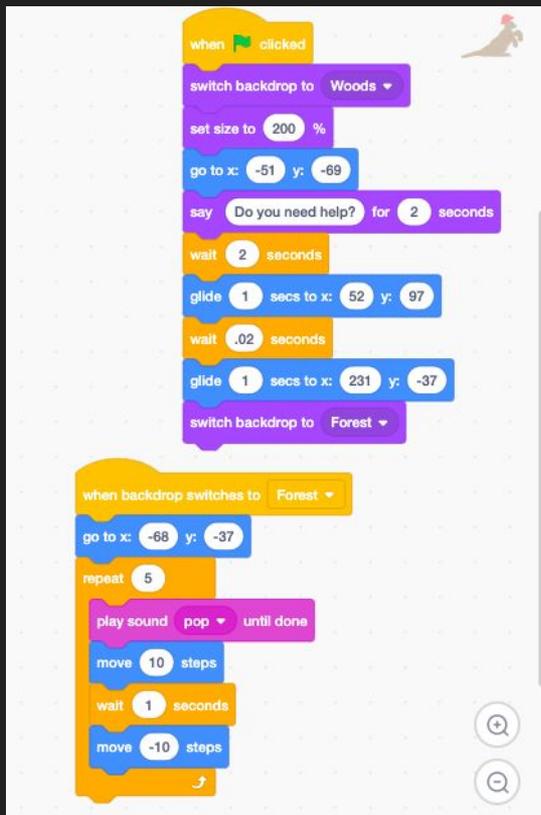
The image features a digital clock display with the time '7:00' in a large, white, bold font with a black outline. The background is a vibrant, abstract pattern of overlapping, semi-transparent geometric shapes in various colors including yellow, orange, red, purple, blue, and green, creating a mosaic-like effect. The entire composition is centered within a black rectangular frame.

**7:00**

## My Scratch Story Should...

- Have a sprite and backdrop
- Contain an algorithm with events, loops, and conditionals
- Run smoothly

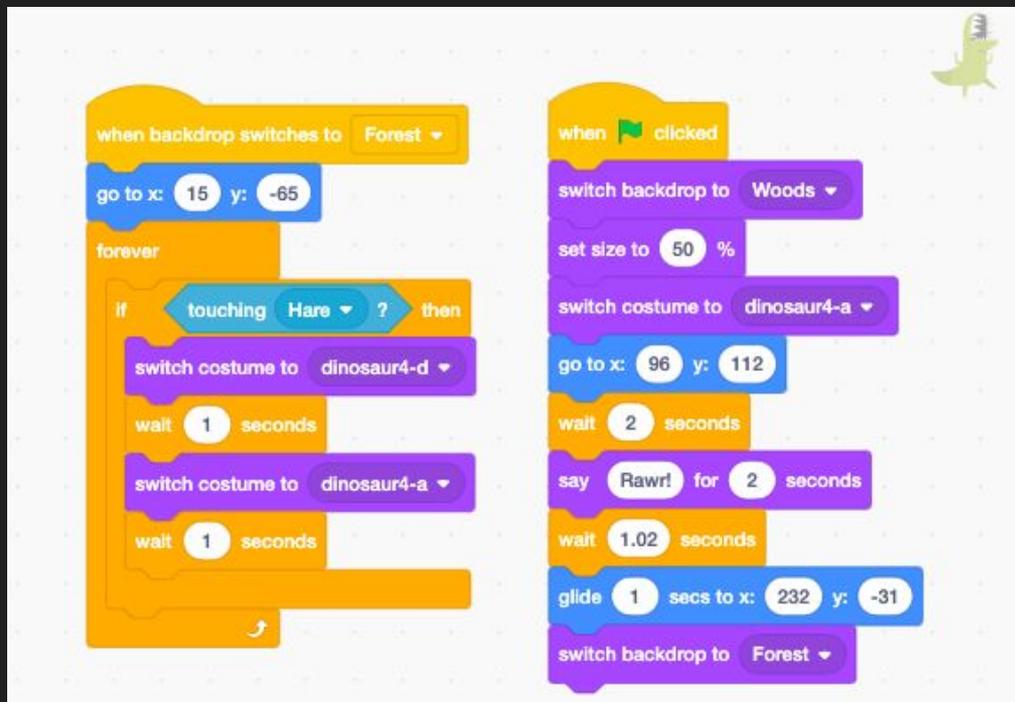
# Code From Today's Session!



Scratch code blocks for a dinosaur character. The first script starts with a 'when clicked' event, switching the backdrop to 'Woods', setting the size to 200%, moving to x: -51, y: -69, saying 'Do you need help?' for 2 seconds, waiting 2 seconds, gliding 1 second to x: 52, y: 97, waiting 0.02 seconds, gliding 1 second to x: 231, y: -37, and switching the backdrop to 'Forest'. The second script starts with a 'when backdrop switches to Forest' event, moving to x: -68, y: -37, repeating 5 times: playing the 'pop' sound until done, moving 10 steps, waiting 1 second, and moving -10 steps.

```
when clicked
  switch backdrop to Woods
  set size to 200 %
  go to x: -51 y: -69
  say Do you need help? for 2 seconds
  wait 2 seconds
  glide 1 secs to x: 52 y: 97
  wait .02 seconds
  glide 1 secs to x: 231 y: -37
  switch backdrop to Forest

when backdrop switches to Forest
  go to x: -68 y: -37
  repeat 5
    play sound pop until done
    move 10 steps
    wait 1 seconds
    move -10 steps
```



Scratch code blocks for a dinosaur character. The first script starts with a 'when backdrop switches to Forest' event, moving to x: 15, y: -65, and entering a 'forever' loop. Inside the loop, it checks 'if touching Hare?', and if true, switches the costume to 'dinosaur4-d', waits 1 second, switches the costume to 'dinosaur4-a', and waits 1 second. The second script starts with a 'when clicked' event, switching the backdrop to 'Woods', setting the size to 50%, switching the costume to 'dinosaur4-a', moving to x: 96, y: 112, waiting 2 seconds, saying 'Raw!' for 2 seconds, waiting 1.02 seconds, gliding 1 second to x: 232, y: -31, and switching the backdrop to 'Forest'.

```
when backdrop switches to Forest
  go to x: 15 y: -65
  forever
    if touching Hare? then
      switch costume to dinosaur4-d
      wait 1 seconds
      switch costume to dinosaur4-a
      wait 1 seconds

when clicked
  switch backdrop to Woods
  set size to 50 %
  switch costume to dinosaur4-a
  go to x: 96 y: 112
  wait 2 seconds
  say Raw! for 2 seconds
  wait 1.02 seconds
  glide 1 secs to x: 232 y: -31
  switch backdrop to Forest
```



Boolean Girl “Scratch Studio”

Save and share your animation