

Unit 3

Session 3

Scenes

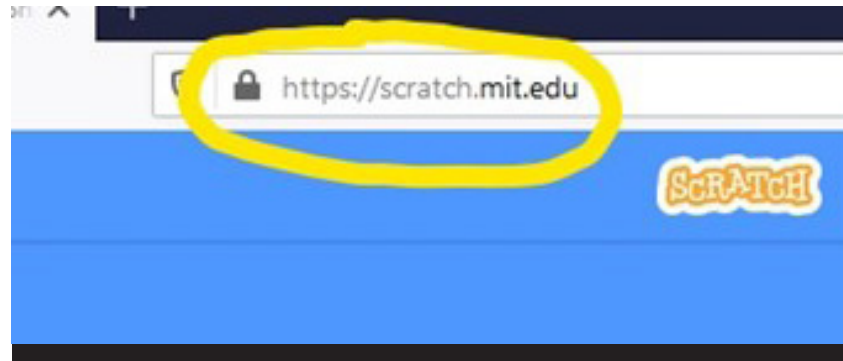
Handout

Scenes



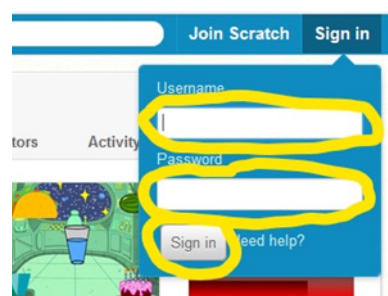
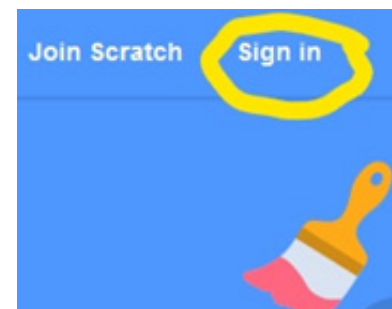
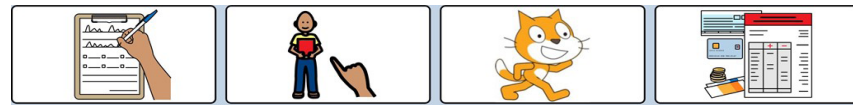
1

Go to the Scratch at <https://scratch.mit.edu/>



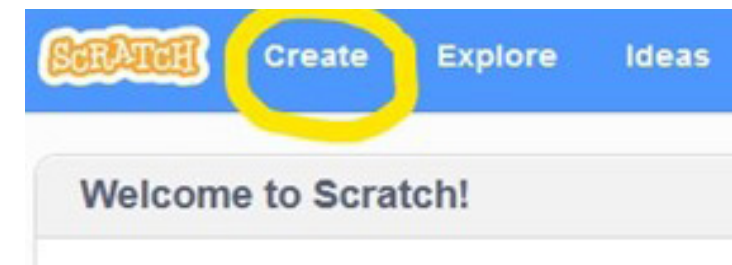
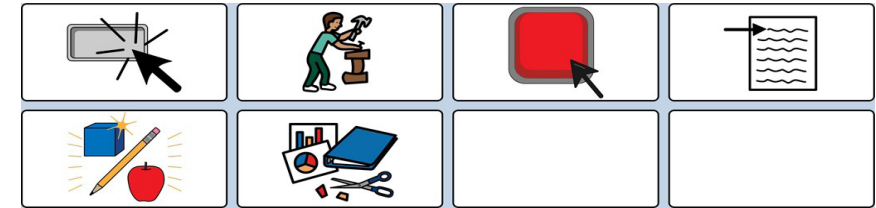
2

Sign into your account.



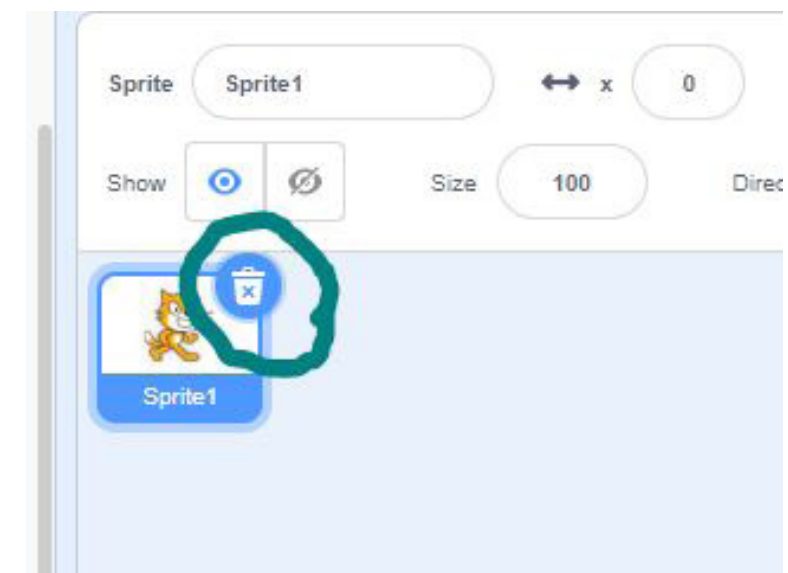
3

Click "create" button to start new project.



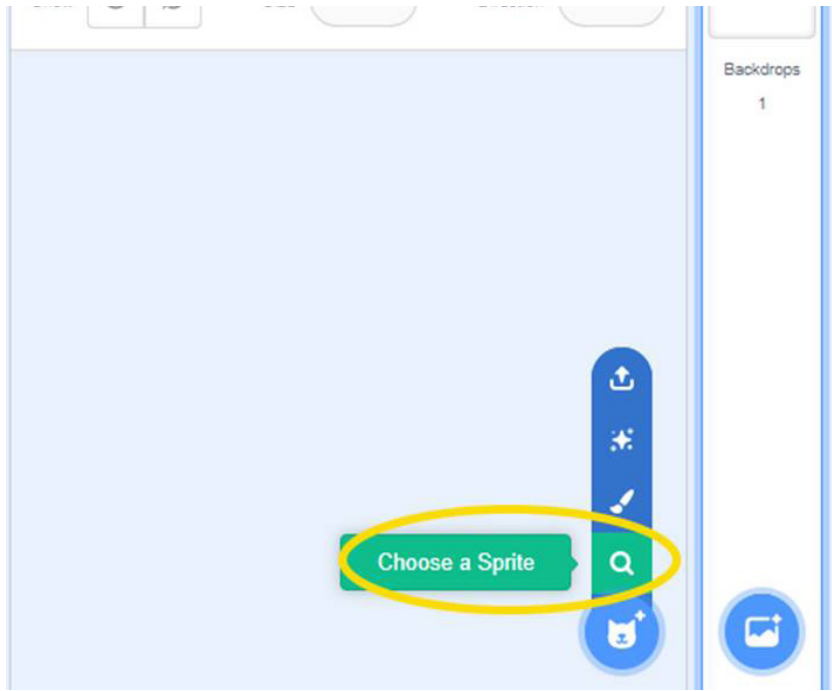
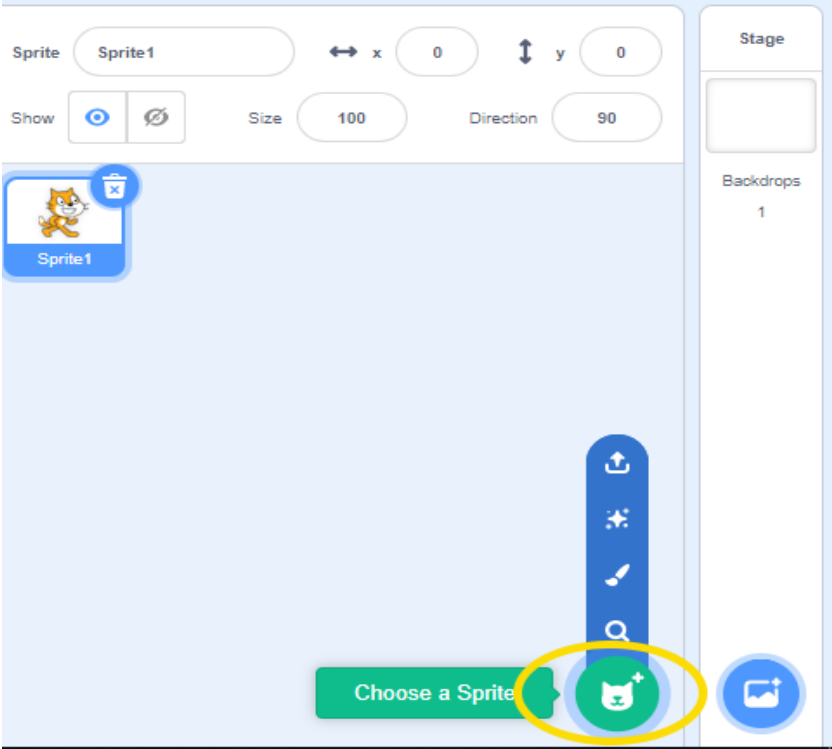
4

Tap on "trash" icon on the top left corner of the "Cat" sprite/character to delete this sprite.



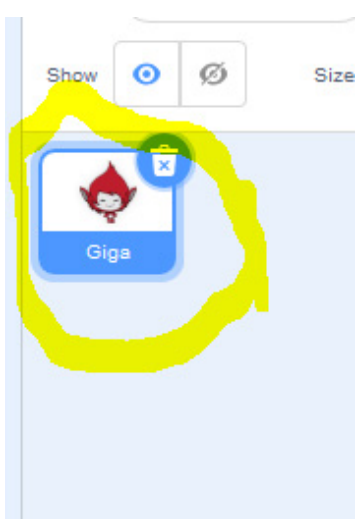
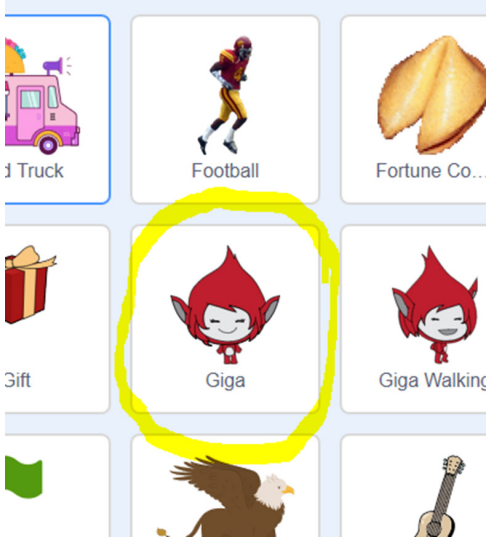
5

Move your mouse over the “Choose A Sprite” button on the bottom right corner of the Sprite window, and move your mouse up to tap on the “Search” icon to look for a new sprite (character).



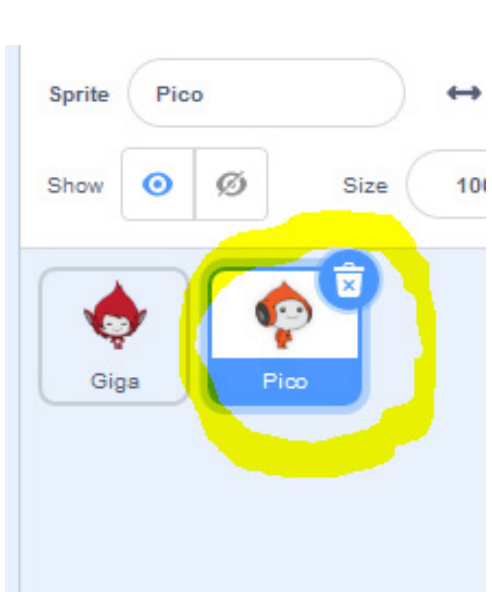
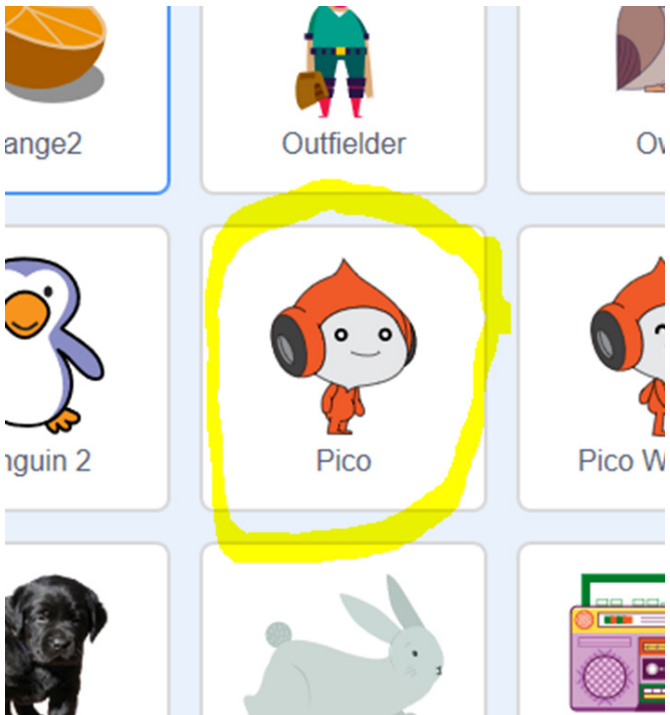
6

Choose one from the list of characters that come up.



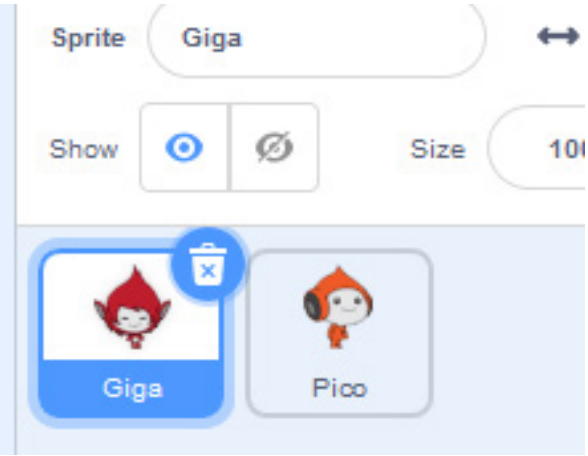
7

Move your mouse over the “Choose A Sprite” button once more and tap on the “Search” icon to look for another character (sprite).



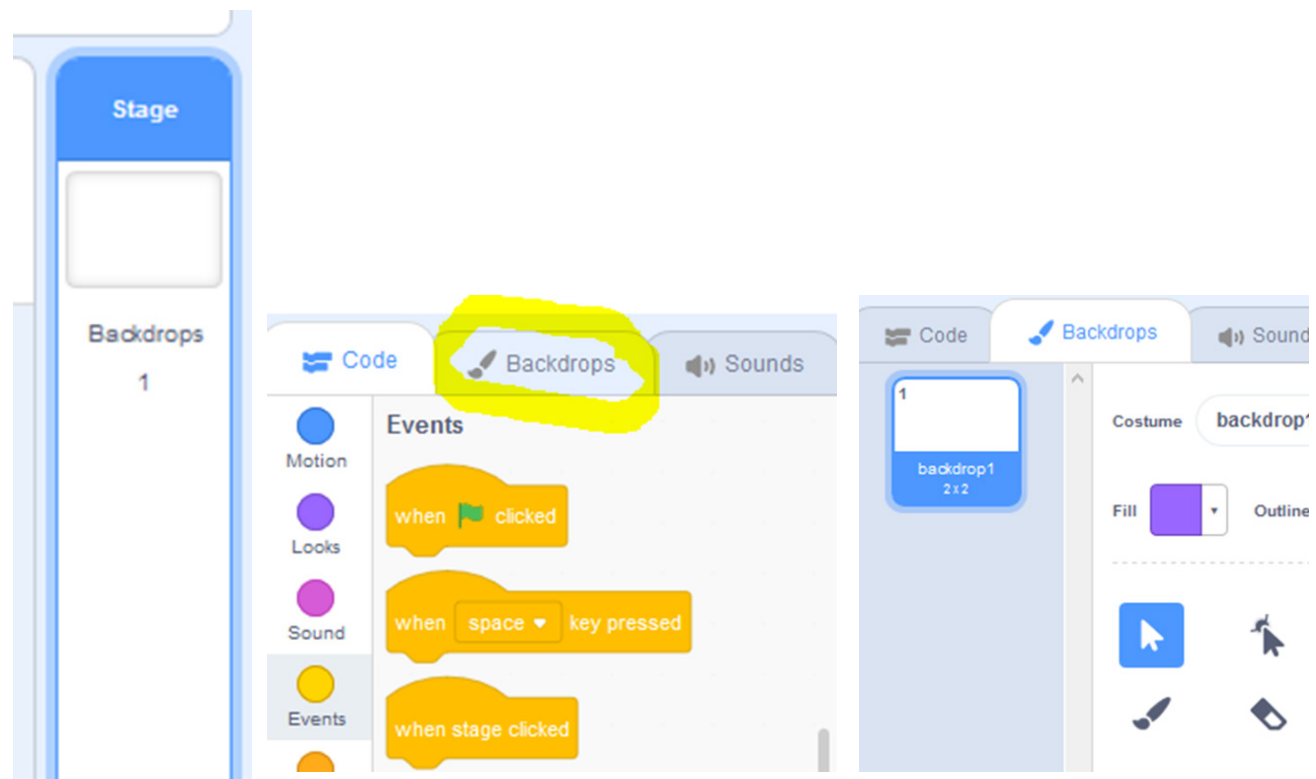
8

Select one of the characters to attach a set of codes to (sequences).



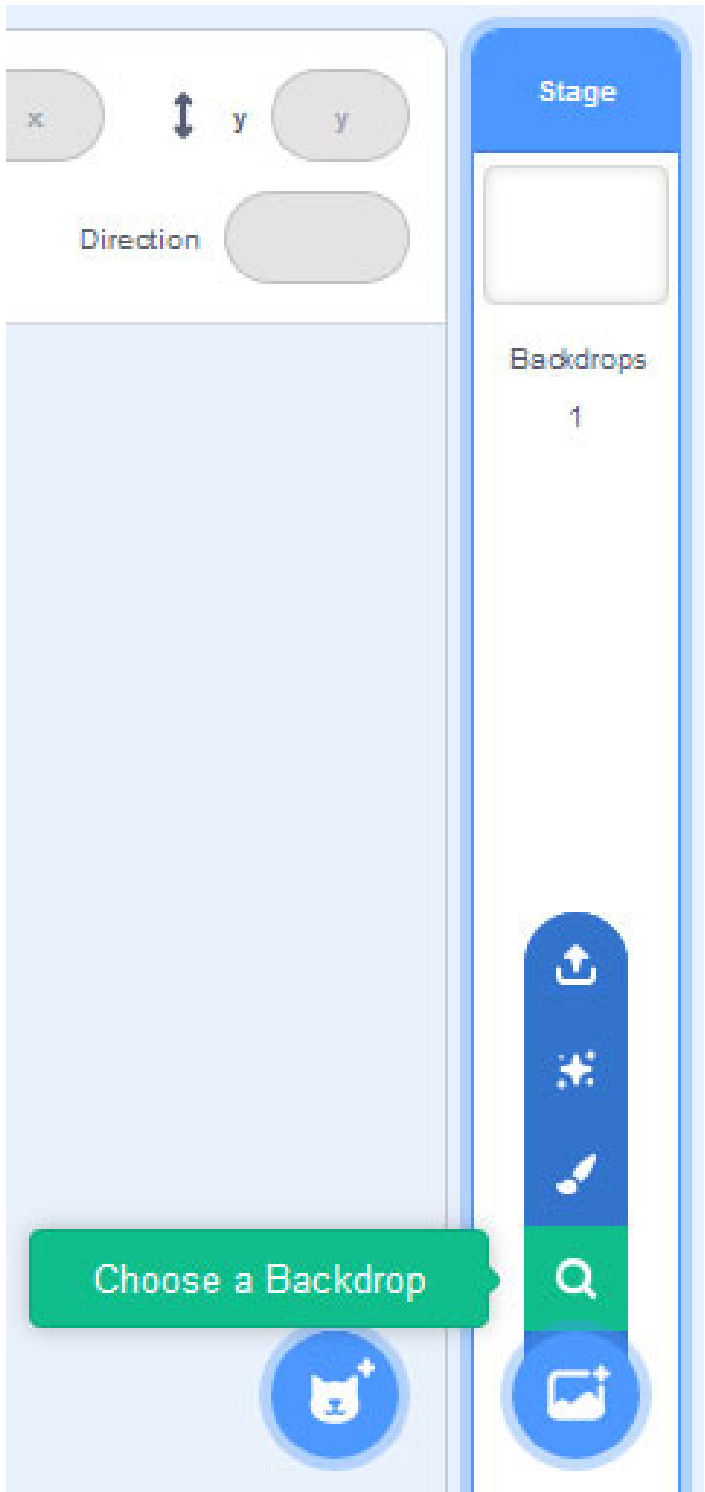
9

Tap on the stage panel to select and activate. Note that "Costumes" tab on top left corner is replaced by "Backdrops" tab.



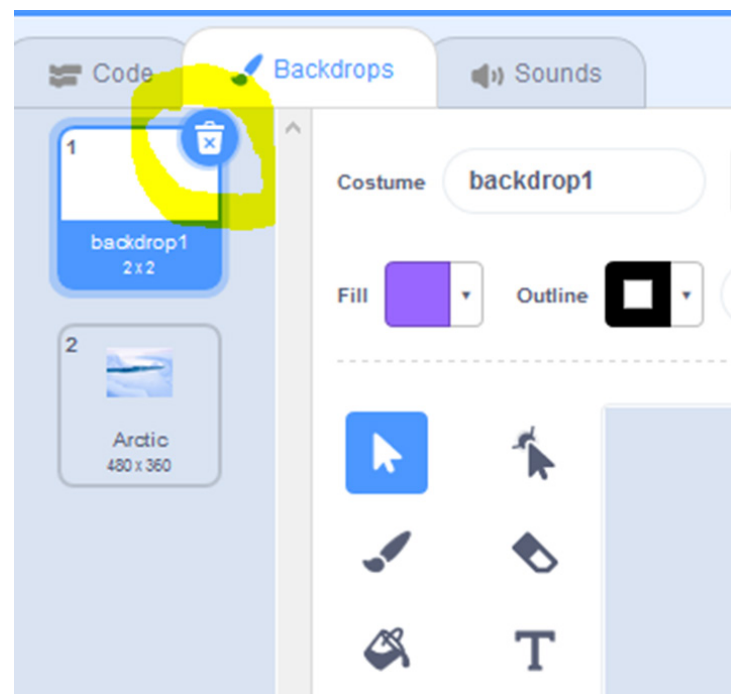
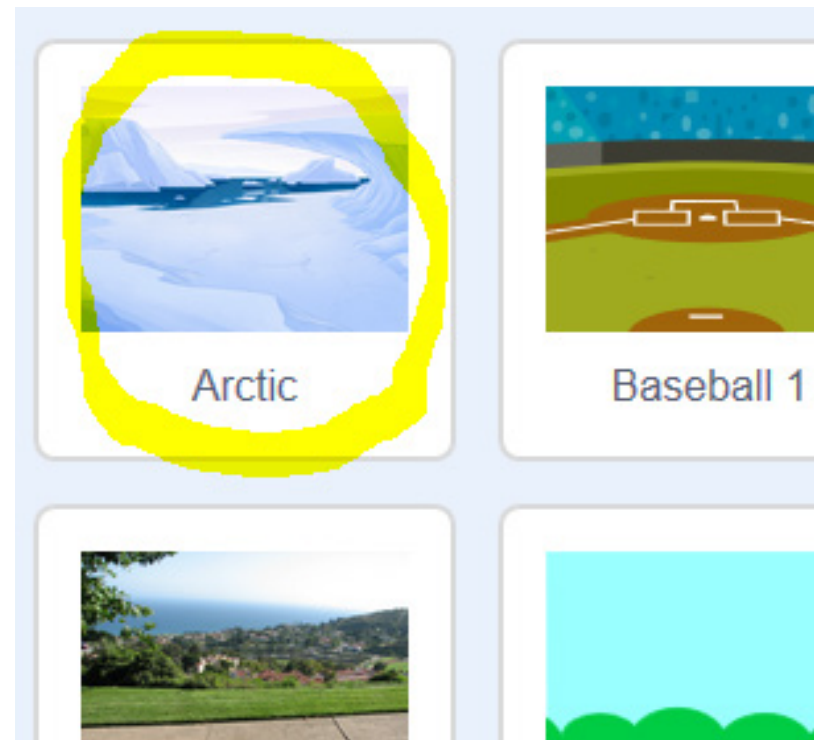
10

Go to the bottom of the "Stage" panel, and choose the search icon to select a backdrop from the library.



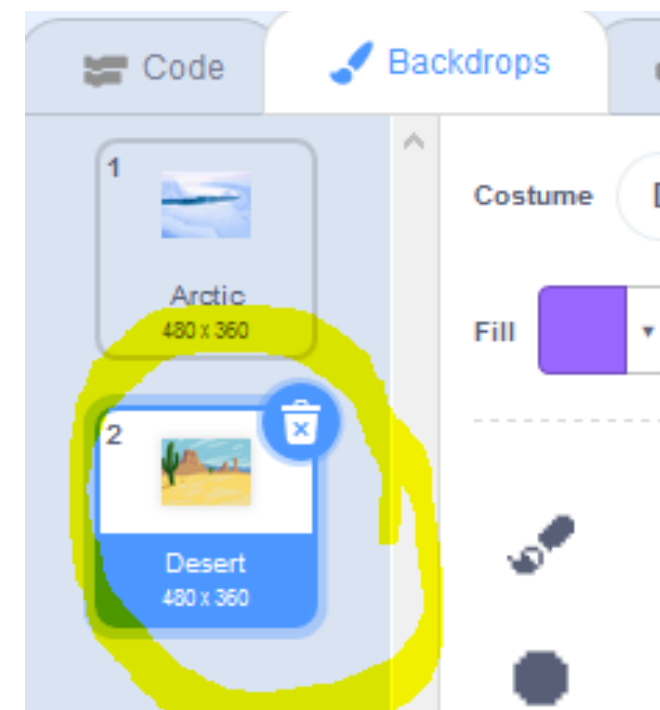
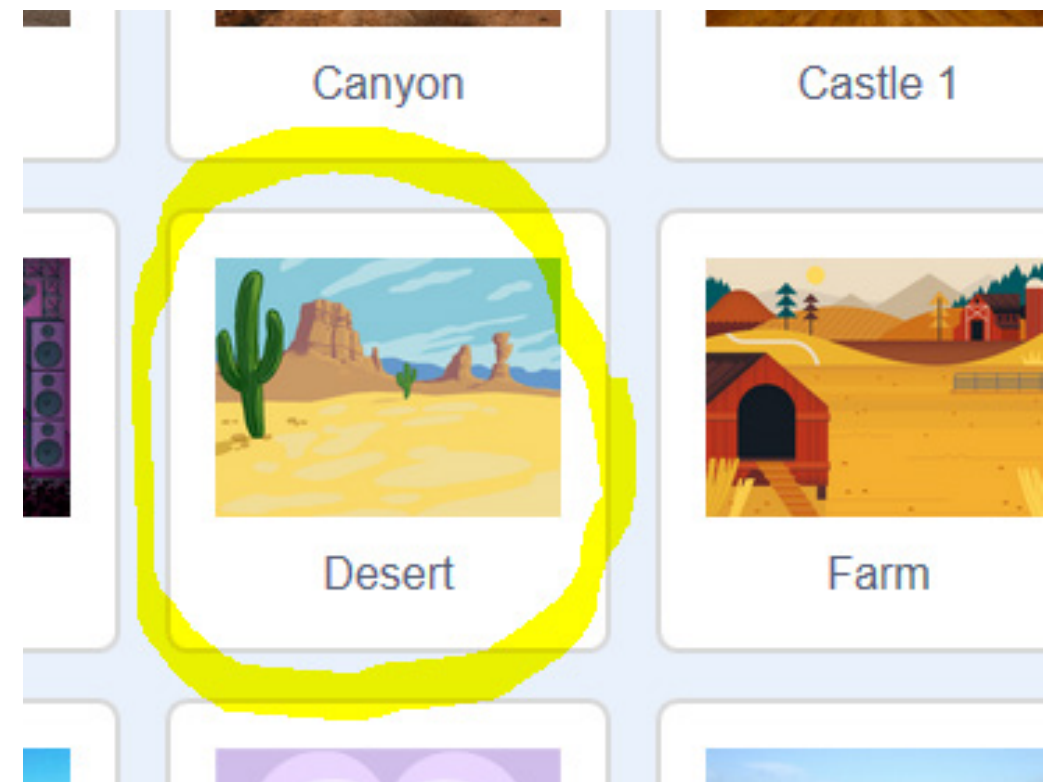
11

Search and choose a backdrop from the library. After selecting a background, delete the default backdrop



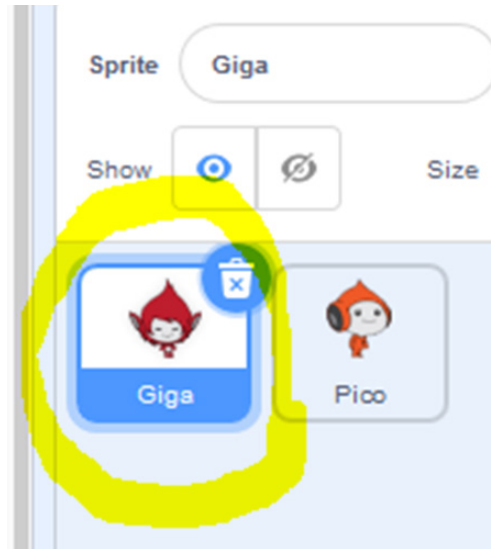
12

Go to the bottom of the "Stage" panel, and choose the search icon to select another backdrop from the library.



13

Add the following Scratch block sequence to Giga as part of a conversation between Giga character and Pico character while changing backdrop based on broadcast events attached to Pico character.



```

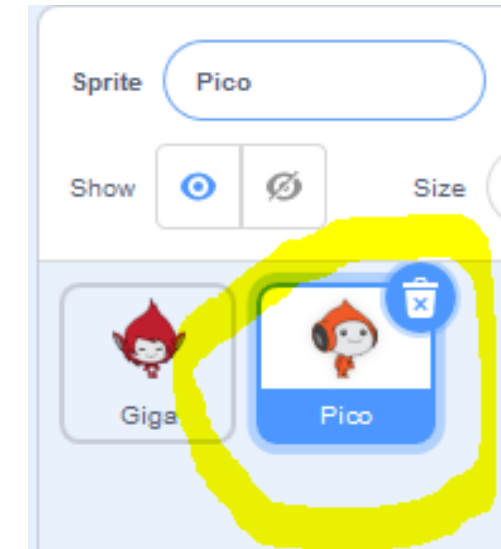
when green flag clicked
  switch backdrop to Arctic
  say Hello! for 2 seconds
  broadcast GigaSaysHello

when I receive PicoSaysHello
  say I am cold! Can you move us to a warmer place! for 2 seconds
  broadcast GigaSaysMoveUs and wait

when I receive PicoSaysDoYouLikeDesert
  say Now, I am too hot! I rather prefer the cold place, please for 4 seconds
  broadcast GigaSaysMoveBackToCold and wait
  
```

14

Add the following Scratch block sequence to Pico for the conversation between Giga and to initiate the broadcast events to change the backdrop.



```

when I receive GigaSaysHello
  say Hello there! for 2 seconds
  broadcast PicoSaysHello and wait

when I receive GigaSaysMoveUs
  say Of course. Just wait one second! for 2 seconds
  broadcast PicoSaysWarmerPlace and wait
  say How do you like this place? for 2 seconds
  broadcast PicoSaysDoYouLikeDesert and wait

when I receive GigaSaysMoveBackToCold
  say I knew you would not like hot. Here we go! for 2 seconds
  broadcast PicoChangeBackdropToCold and wait
  
```

15

Add the following Scratch block sequence to the Stage to change the backdrop based on the broadcast events received from Pico character.

