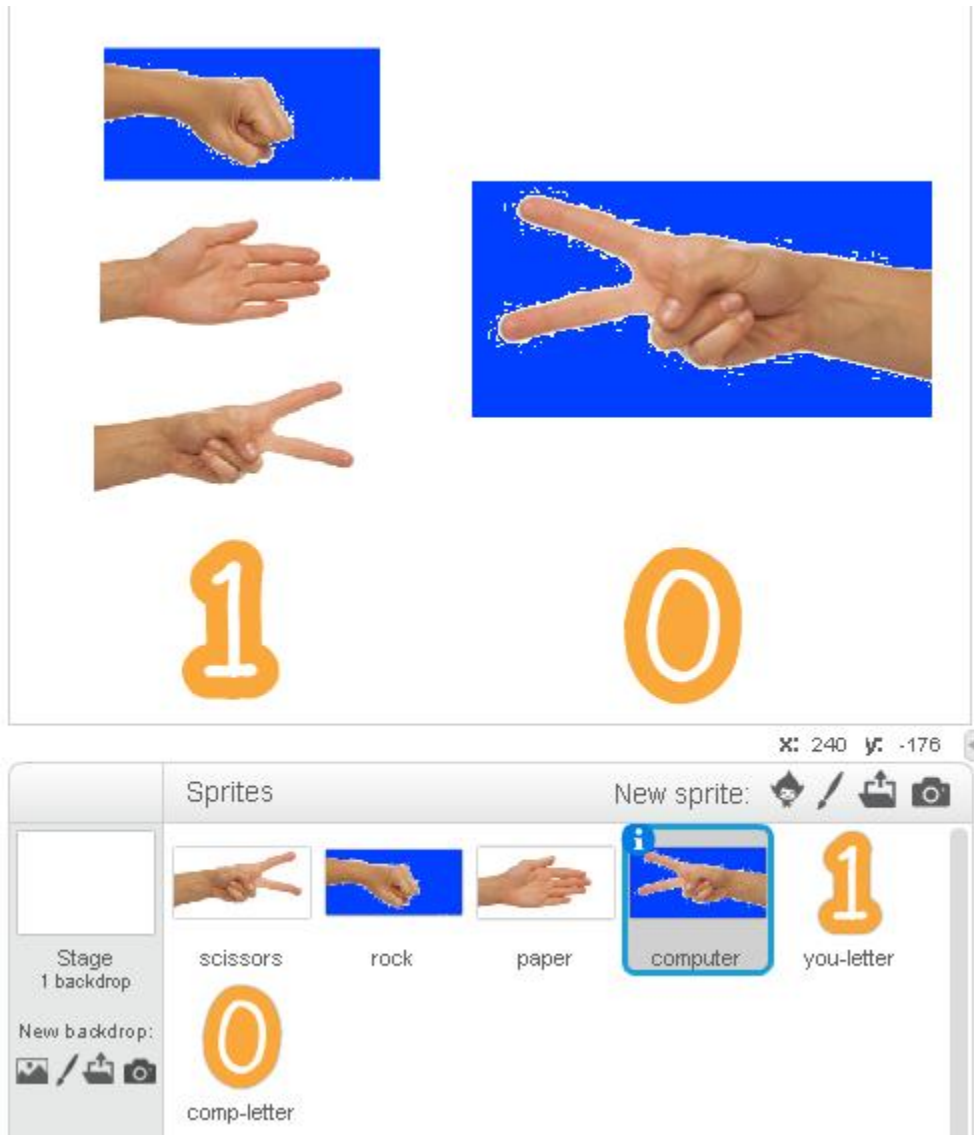


ROCK PAPER SCISSORS

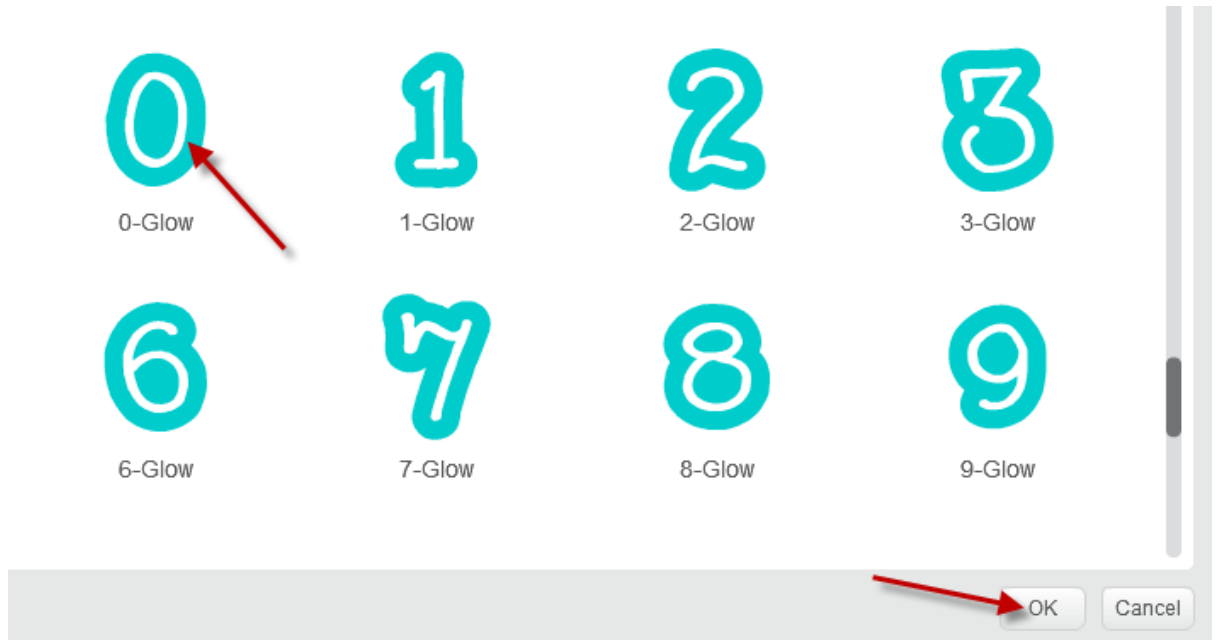
Here is the link to this project on Scratch website:

<http://scratch.mit.edu/projects/10258395/>



1. Create the following **4 Sprites** (draw your own rock-paper-scissors hand, or use free images from the internet):
scissors, rock, paper, computer

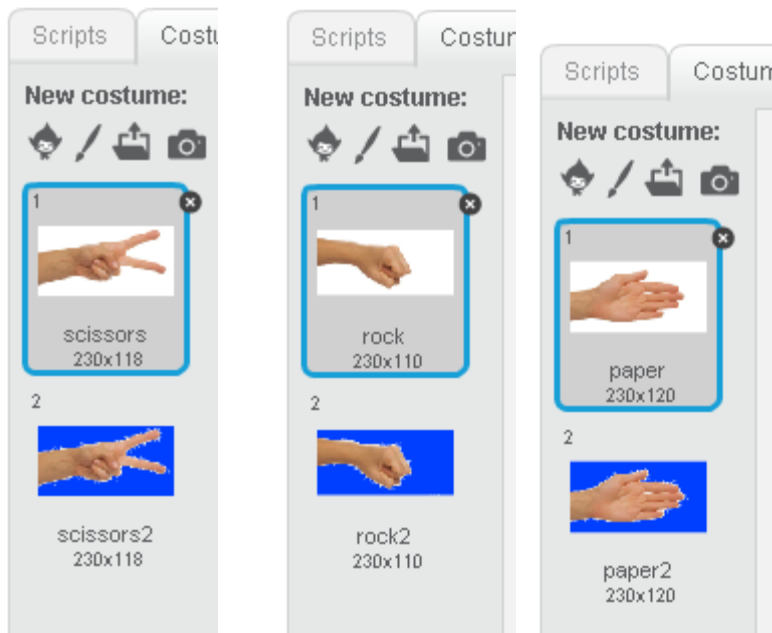
2. Create the following **2 Sprites** by selecting the '0-Glow' sprites from the library:
you-letter, comp-letter



3. Add a new costume to each of the 3 sprites: **scissors**, **rock** and **paper** by duplicating the original costume, and adding a blue background to it.

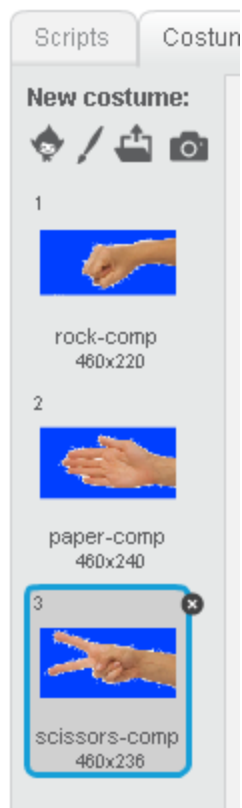
Each of the 3 sprites should now have 2 costumes:

- 'scissors' and 'scissors2'
- 'rock' and 'rock2'
- 'paper' and 'paper2'

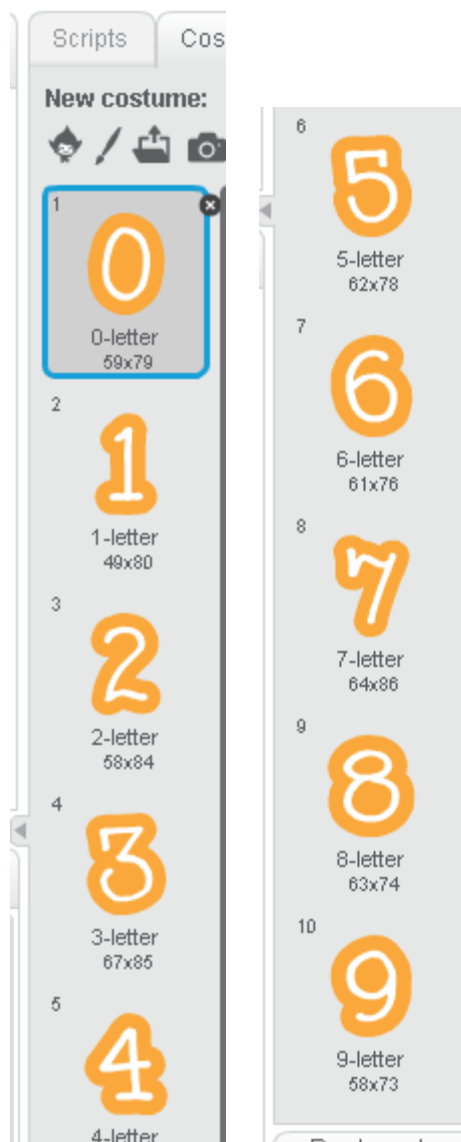


4. The sprite **computer** has 3 costumes as follow:

- 'rock-comp'
- 'paper-comp'
- 'scissors-comp'

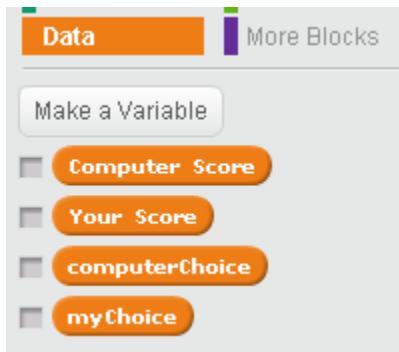


5. The sprites **you-letter** and **comp-letter** have 9 costumes each (the numbers from 0 to 9)



6. Create 4 variables:

Computer Score
Your Score
computerChoice
myChoice



7. Add the following scripts to **rock**



8. Add the following scripts to **paper**



9. Add the following scripts to **scissors**



10. Add the following scripts to **computer**

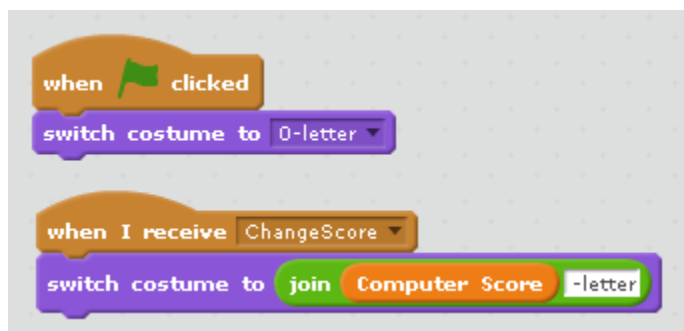
```
when clicked
hide
broadcast Reset

when I receive ChoiceMade
set computerChoice to pick random 0 to 2
if computerChoice = 0 then
switch costume to rock-comp
show
if computerChoice = 1 then
switch costume to paper-comp
show
if computerChoice = 2 then
switch costume to scissors-comp
show
if not computerChoice = myChoice then
if computerChoice = 0 then
if myChoice = 1 then
change Your Score by 1
if myChoice = 2 then
change Computer Score by 1
if computerChoice = 1 then
if myChoice = 2 then
change Your Score by 1
if myChoice = 0 then
change Computer Score by 1
if computerChoice = 2 then
if myChoice = 0 then
change Your Score by 1
if myChoice = 1 then
change Computer Score by 1
broadcast ChangeScore
wait 0.8 secs
if Computer Score = 9 or Your Score = 9 then
set Computer Score to 0
set Your Score to 0
hide
broadcast Reset
```

11. Add the following scripts to **you-letter**



12. Add the following scripts to **comp-letter**



Instructions how to play:

Press the Green Flag to start.

Click on Rock, Paper or Scissors - on the left side of the screen.

As soon as you clicked, the computer will display its choice of Rock, Paper or Scissors - on the right side of the screen.

The scores are shown below.

First to get to 9 wins.

Good luck!