

SCRATCH



+

LEAP
MOTION



Assignment

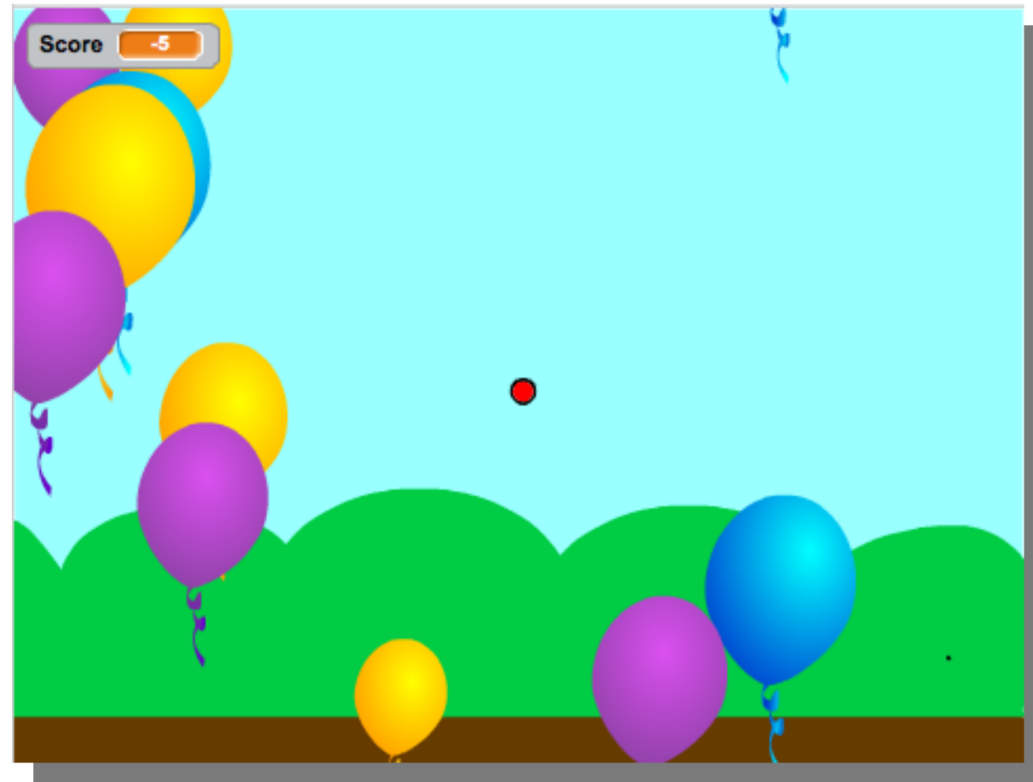
Balloon Pop

Balloon Pop

The goal of 'Balloon Pop' is to pop the blue balloons. Popping a blue balloon will give you 1 point, popping another color will result in 2 penalty points.

The red marker will pop the balloons and is moved by your hand with the leap motion.

To start making this game open 'BalloonPop.sb2'.



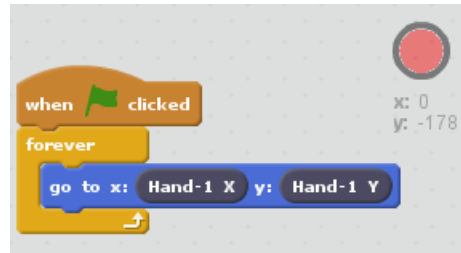
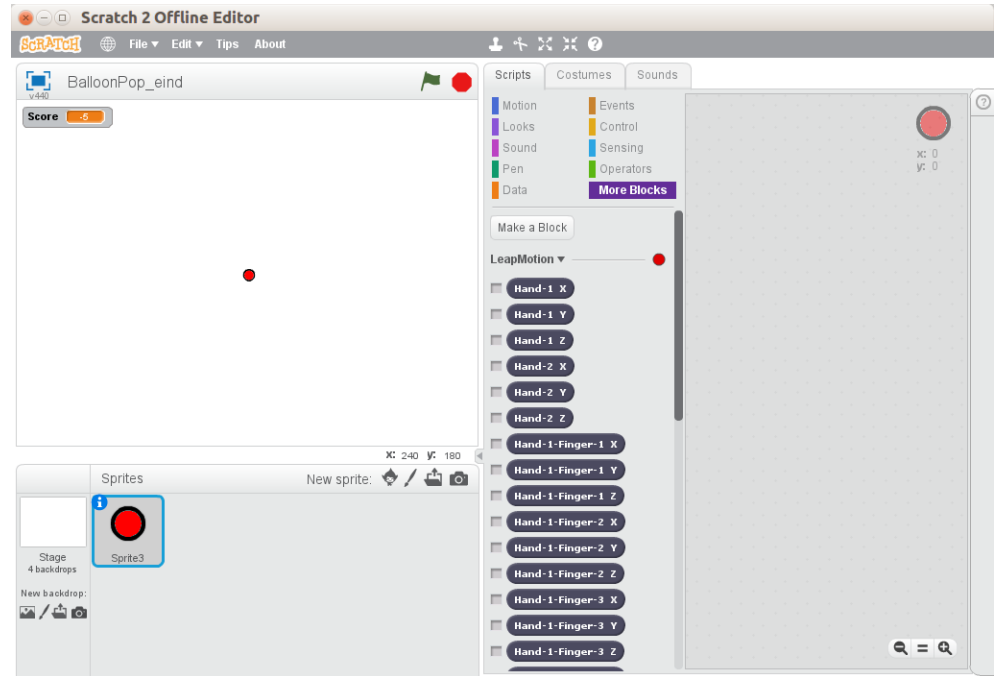
Balloon Pop

We're going to move a sprite on the screen with the leap motion.

Choose a sprite or make one your self. We are going to use the sprite to pop the balloons.

In the screenshot on the right you see a red dot we created our self.

Let the sprite move with the leap motion when you start the program (click the green flag).



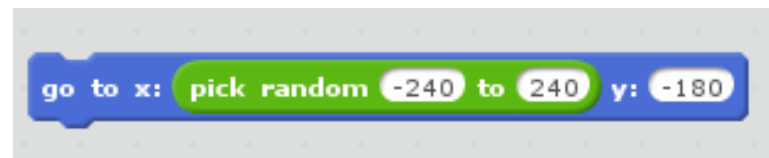
Balloon Pop

Add a balloon sprite.

Let the balloon move up when the program is started.

Try to make the speed the balloon rises a bit more random.

When the balloon is at the top of the screen the balloon should disappear. Try to change the start position of the balloon at the bottom of the screen.



Balloon Pop

We need more balloons!

With the following change 100 balloons will start.



When the red dot hits the balloon, the balloon should hide and make a 'pop' sound.

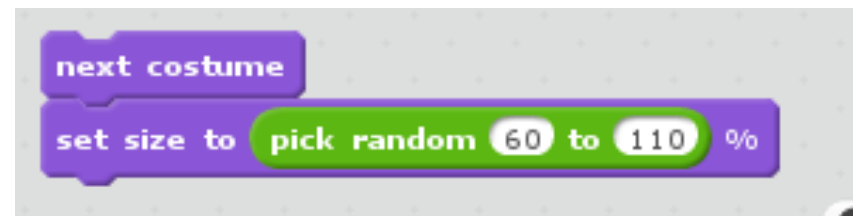


Balloon Pop

The balloons that arrive at the top of the screen and didn't pop should disappear



With the following code the sprite will get a random size and color.



Balloon Pop

Counting points!

Make a variable Data element with the name 'score'.

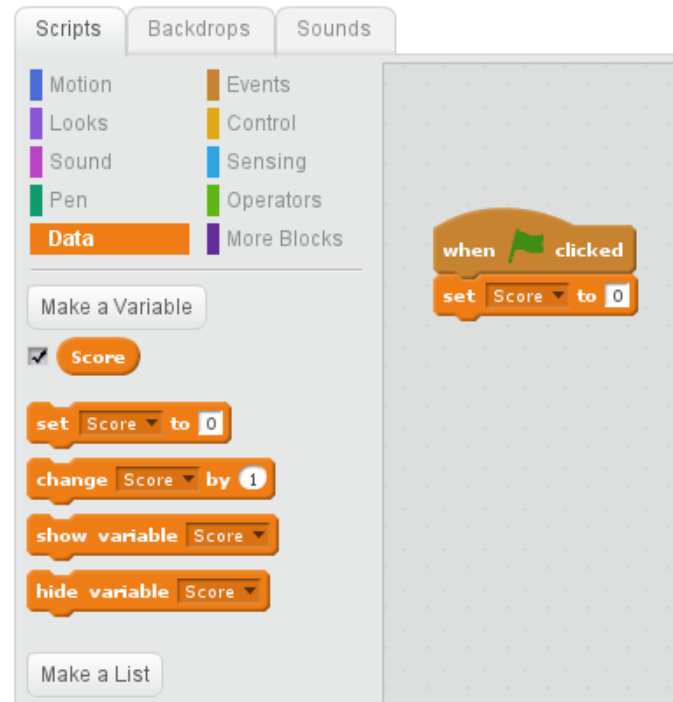
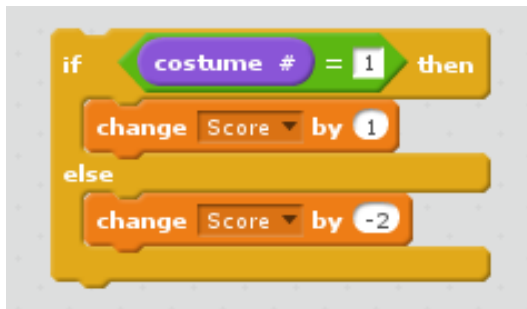
The score will be visible on the screen, with the following code the score will start at 0



1 Point



-2 Points



The Balloon pop game is almost ready!
Let's implement counting the points when the balloon is hit

Balloon Pop



Lets set a nice background

There is enough choice



atom playground



baseball-field



basketball-court1-a



basketball-court1-b



beach malibu



bedroom1



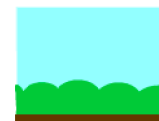
bedroom2



bench with view



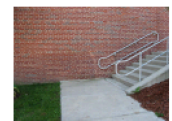
berkeley mural



blue sky



boardwalk



brick wall and stairs



Finished?

What things do you like to add to make the game more fun or more difficult. Think about things like:

- Smaller balloons
- Speed
- Sideways movement of the balloons.

