

# Functions in Scratch

SWBAT Create and define their own Scratch functions using the “my block”

# Launch

Write down step-by-step instructions of how to make a peanut butter and jelly sandwich.

If you are having trouble, pretend like you are instructing a 5 year old on how to make a [pb+j.](#)

You should be finished by the time the song stops playing



# Share out

How do you make a pb+j?



# How to make a PB+J

- 1) Apply jelly to one slice of bread using a knife
- 2) Apply peanut butter to a second slice of bread
- 3) Place the slices of bread together
- 4) Cut in a triangle (debatably the most important step)

# Scratch Scenario

Pretend you had to write the instructions for how to make a PBJ just once... wouldn't be too bad would it?

What if you had to write the instructions 10 times? 50? 100?

# Function: Make a PB+J



```
define MakePeanutButterJelly
```

- 1) Apply jelly to one slice of bread using a knife
- 2) Apply peanut butter to a second slice of bread
- 3) Place the slices of bread together
- 4) Cut in a triangle (debatably the most important step)

# Code Along

Join me as we create a function called “RandomRickRoll”

Sample code

# Individual Practice

## Mild

- Create a function that multiplies 2 numbers together

## Medium

- Create a function that simulates a die roll and use it to make at least 2 die

## Spicy

- Create a function that solves a maze of your creation. Use the function to have at least 3 sprites solve the maze.