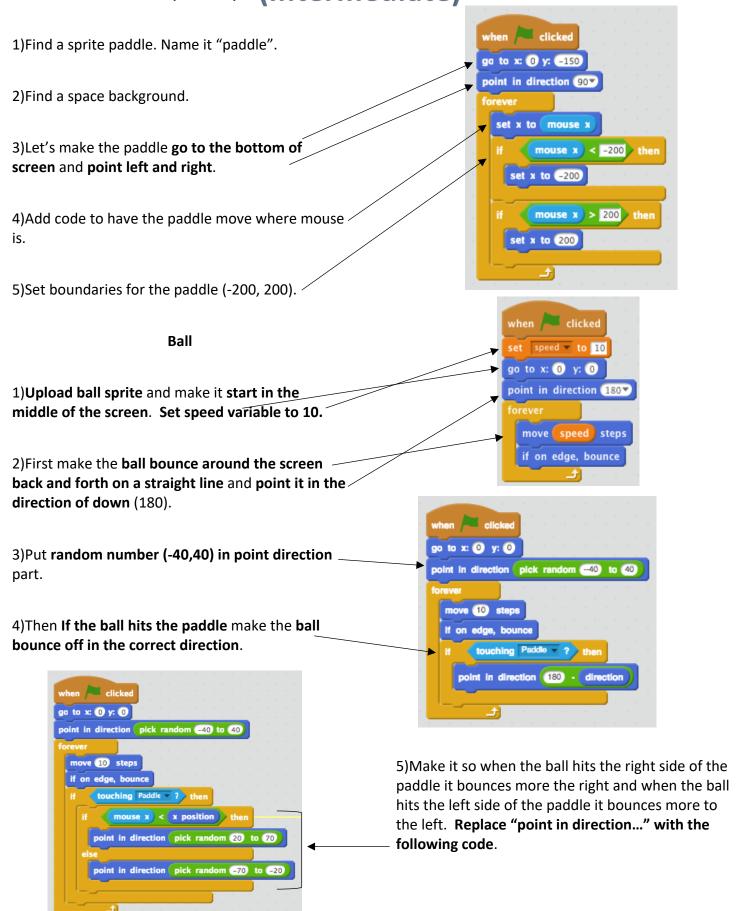
Breakout Paddle (Lesson 1) (intermediate)



Bricks (Lesson 2)

- 1)Create brick, then when flag is clicked have it go to x:-175 y:130.
- 2)Create 2 variables, numBrickRows = 4 and numBricksPerRow = 8.
- 3)Then we will have **2 repeat block**s nested together. 1 for rows, other for bricks per row. Inside the nested one put **create clone of myself** and **change x by 50**. On the outside put set **x to 175** and **change y by -20**.
- 4)The problem now is with the last brick. To eliminated it we need to put **show** in the beginning and **hide** at the end.

Deleting Bricks (Lesson 3)

1)Go back to the Ball and add this code: If it is touching the brick then broadcast checkBrick and point in this direction.

2)Go back to Brick and add when I receive checkBrick if touhing Ball delete this clone.

```
when I receive checkBrick v

if touching Ball v ? then

delete this clone
```

```
when clicked

show

go to x: -175 y: 130

set numBrickRows to 4

set numBricksPerRow to 8

repeat numBricksPerRow

create clone of myself change x by 50

set x to -175

change y by -20

hide
```

```
when clicked

go to x: ① y: ①

point in direction pick random 40 to 40

wait 1 secs

point in direction 180

forever

move 10 steps

if on edge, bounce

if touching Paddle ? then

if mouse x < x position then Replace:

point in direction pick random 20 to 70

else

point in direction pick random 70 to 20

if touching Brick ? then

broadcast checkBrick

point in direction pick random 160 to 200 - direction
```

Points, Game Over and Level Complete (Lesson 4)

- 1) Make a Game over sprite.
- 2)Then go to the ball sprite and add code so when the ball hits the bottom edge the script ends and broadcasts game over.
- 3)In the Game Over sprite, add code to make it appear in a cool way like this:
- 4)Make a new variable called "bricksLeft". Go to the brick sprite and set bricks left to 32.
- 5)Then add change bricks left by -1 and if the bricks left is zero, broadcast LEVEL COMPLETE.
- 6) Make a Level Complete sprite
- 7) In the Level Complete sprite, add code to make it appear in a cool way like this:

```
when clicked
hide

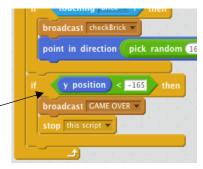
when I receive LEVEL COMPLETE v

show

repeat 25

set size to pick random 95 to 105 %

change color v effect by 25
```



```
when I receive GAME OVER vishow
hide
set size to $%
point in direction 180v

when I receive GAME OVER vishow
repeat 20
turn (* §1) degrees
change size by $
```

```
when I receive checkBrick when clicked show if touching Ball 7 then change bricksLeft by -1 set numBrickRows to 4 set numBrickRows to 4 set numBrickRows to 8 repeat numBrickRows repeat n
```

Joslin 4 **Extra Challengess** when 🖊 clicked define clone set speed ▼ to 10 go to x: 0 y: 0 1)Clone the ball when the space bar is hit. point in direction pick random -40 to 40 wait 1 secs when space key pressed 2)You can add a clone function to do this. move speed steps if on edge, bounce 3) Make the speed change faster and slower when if mouse x < x position then ▶ Replace: up and down arrow keys are pressed. point in direction pick random 20 to 70 point in direction pick random -70 to -20 when up arrow ▼ key pressed change speed ▼ by 2 touching Brick ▼ ? then broadcast checkBrick ▼ point in direction pick random 160 to 200 - direction when down arrow very key pressed if y position < -165 then change speed ▼ by -2 broadcast GAME OVER stop this script ▼