

The Emoji Challenge Worksheet

Instructions: Use this worksheet to help you create a cool emoji with p5js!

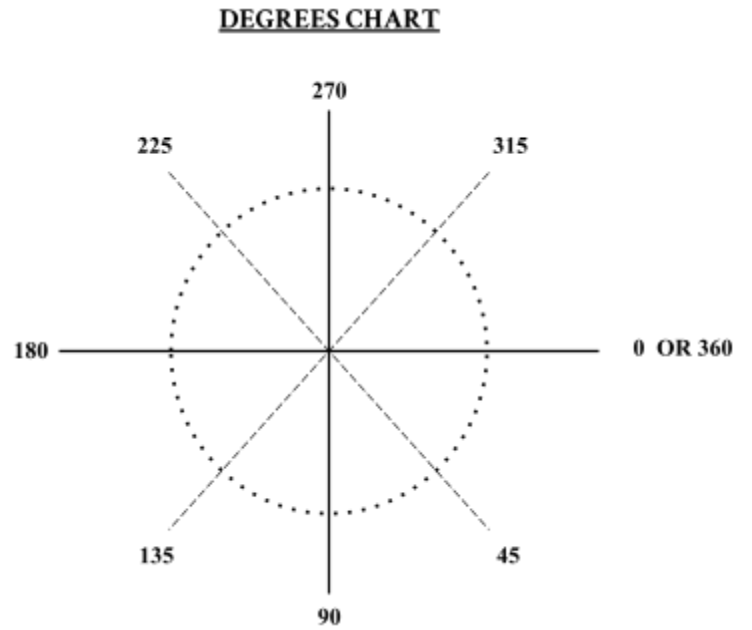
Starter Code: tinyurl.com/codingemoji

Happy Coding!

COLOR COMMANDS		
Command	What does it do?	Example Code
background(color)	Fills the size of the screen with a color that can be text, RGB, or HEX color	background("blue") //name background(0,0,255) //rgb background("#0000ff") //hex *Changes screen color to a blue color
stroke(color)	Changes the outline color of a shape or line *The default stroke color is black.	stroke("green") //name stroke(0,255,0) //rgb stroke("#008000") //hex *Changes outline color to green
fill(color)	Changes the inner color of a shape. *The default fill color is black.	fill("red") //name fill(255,0,0) //rgb fill("#ff0000") //hex *Changes inner color to red
noFill()	Turns off the fill color.	noFill()

SHAPE COMMANDS		
Command	What does it do?	Example Code
ellipse(x,y,width,height)	Creates a circle or oval shape. To make a circle the width and height must be the same.	ellipse(100,25,50,50) *Creates a circle at x: 100 y: 25
rect(x,y,width,height)	Creates a square or rectangle. To make a rectangle the width and height must be the same.	rect(0,0,40,40) *Creates a square at the origin point (0,0)
line(x1,y1,x2,y2) You need two points to create a line	Creates a line.	line(0,10,15,25) *Creates a line from point (0,10) to point (15,25)
arc(x,y,width,height,start,end)	Creates an arc shape. Arcs are created using degrees please see the arc chart to figure out the start and end (clockwise). *Width and height are relative to the full ellipse	arc(200, 250, 150, 100, 0,180) *Creates a half-circle at x: 200 y:250

Extra Help
Color Names
Color Picker for RGB & HEX
P5js Intro Tutorial



Grid Area for Drawing

Are you using Google Docs? Double-click on the grid to draw on the canvas.

