

Python programming 4 Challenges

We are using 2 platforms for this:

code club

<https://projects.raspberrypi.org/en/pathways/python-intro>

And trinket

<https://trinket.io/>

To set yourself up, open both of these websites in separate browser tabs.

Create an account for yourself in each, and be sure to remember the password.

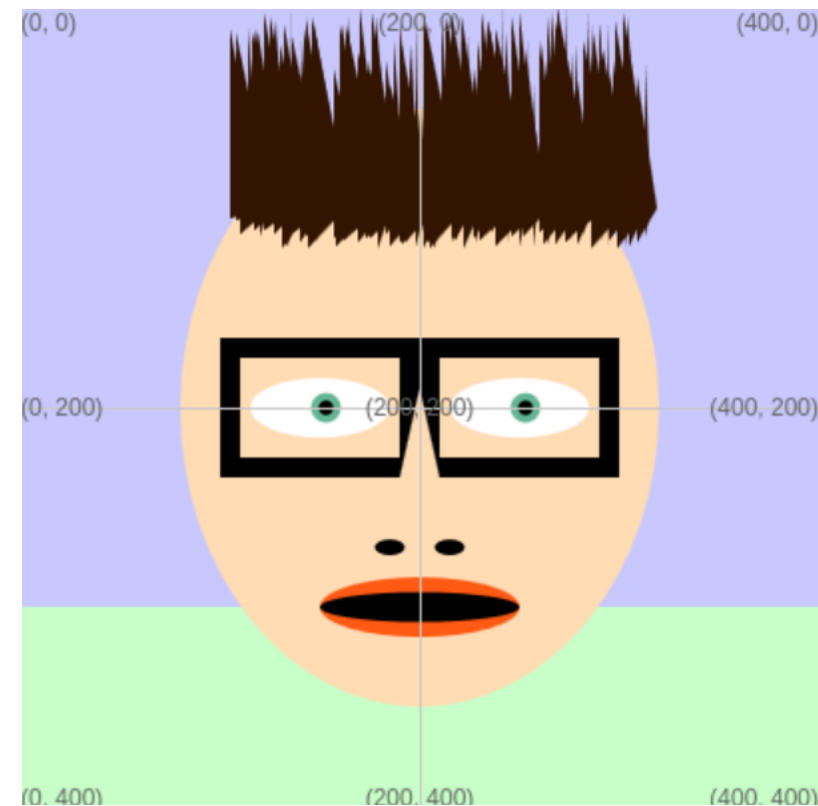
If you haven't done week 1, first have a go at that.

Then have a go at week 2 (target practice)

Then have a go at week 3 (rocket launch)

And finally... move on to this week's:

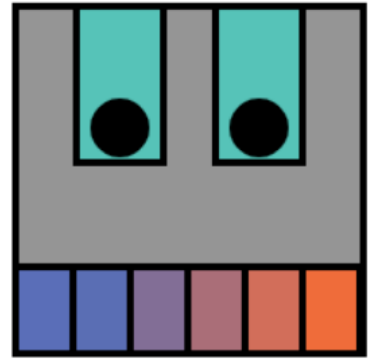
make a face!





CHALLENGE ONE

Getting started



BRONZE:

Decide what shape of face you want and draw the base. It could be an ellipse, or a rectangle. You might choose to draw a robot or a human or something completely different!

Once you've done this, share with a robot club helper who can confirm you have Bronze before continuing.

CHALLENGE ONE

Eye See You

```
33 def draw_eye(x,y):  
34     eye_width=70  
35     eye_height=30  
36     fill(eye)  
37     ellipse(x,y,eye_width,eye_height)  
38
```

SILVER :

Decide what kind of eye you want and draw **one**.

Once you have an eye you like, turn it into a function!

That way you can draw two eyes easily.

Share your project again

CHALLENGE ONE

Mouth



GOLD :

Draw yourself a mouth

Well done, you've done the basics... now to take it further!

CHALLENGE TWO

Going further: pick an extra activity or two

- Can you give it ears?
- A nose?
- Glasses?
- Hair?
- Can you animate your face?
- ...