SCIE204 ASSIGNMENT 4 – PART A = "A4A"

- a4 is worth 30% in total: part A = 10%, B = 20%
- part A is due before next class

OVERVIEW

This is the first part of a4. Part A is a step towards completing the full assignment (a4B). The goal of a4B is kinetic typography… our last assignment.

In part A, make a program that makes text (with a large non-generic font of some interesting colour) move between random targets using easing (like we'll be looking at in wk8's class with the player and target positions)… while playing an MP3 for bg music, and somewhere on the screen in the background, there should be a loaded JPG (you can make it take up the whole background if you like).

THINGS TO ACCOMPLISH:

1 - look in Processing's menu, file> Examples!… lots to look at!!!

2 - research text() function
- diff fonts
- diff sizes
- diff colours

3 - make text move in an animated way → make the text move **on its own** using random targeting using easing movement from target to target… **so once player reaches the target, have it pick a *new* random target and then go after that one… and so on.**
- **ONLY** use TTF fonts (OTF can cause the program to crash!) and use the **ENTIRE** font file's name including the TTF extension (eg. "Agency.TTF")
- copy the TTF file into the code's folder so it can be used without requiring it to be installed on school computers when I demo them (`Important!!!!`)

4 - **research** how to play an **MP3** sound file
- music only starts when user presses L mouse button

5 - **research** how to load a **JPG** image file
- put a JPG in the background somewhere

6 - in the code I sent, try to understand how pvx and pvy are used
- they are the components of the velocity (eg. speed and direction)
- they are calculated in the move function
- why is it necessary that they are floats?

☑ You will have time in class to research and work on this assignment.
☑ I'll check your p4A at the start of next class
☑ Before next class, submit your code as → **"SCIE204M1_CharlieHebdo_a4A_v1"**
  ☑ a4A → this is a4, part A (there will be a part B that all helps lead to part C)
  ☑ M1 is Monday morning, M2 is Monday afternoon