

IMAGES 04/10/2020

PREP

- Zoom : audio / video ON
- Safari : favourites off
- Processing : opens on new screen; save example sketch
-

1. INTRO - **10**

> KEYNOTE

2. PIMAGE METHODS - **20**

- imageEdit.pde
- ****D0**** Task in Section 1.3

3. COLOUR - **30**

- colourSketch.pde
- *_File is a bunch of ordered numbers, arranged in a Grid_*

4. IMAGE GRID - **30**

- Section 3.1 - watch
- ****D0**** Task in Section 3.1

5. ANIMATION - **50**

- invaderSketch

6. WRAP-UP

- Section 5
- > read lecture
- > do exercises!
- > chat with colleagues & teaching staff
- > check outcomes
- > be inspired - try challenges?
- > use Processing to use images to Communicate & Express yourselves

IMAGEGRID

What is an image?

Just a sequence of colours structured in a grid.

Section 3.1 – WATCH

```
h      _help! keys to press_
0      _See the cells – 7x7 – an image of LOW RESOLUTION, not much INFO_
4 5 6 4 _different image_
.      _Higher resolution, more detail – still just two colours_
>      _More grid cells, more information, more recognisable_
l      _Soon we have enough information to identify this person_
      _from more than 8 billion others_
```

*_We STILL have just two colours – ****DARK and LIGHT****_*
*_Let's add more – ****256****_*

```
k,      _Lower resolution_
t      _See grey values – RGB are same_
s      _Size to see them_
z      _Shows R, G, B – all the same_
v2      _Change to a different image_
.....
c      _vary R, G B_
rgb     _See components individually_
.....
c      _and combined_
z      _and as bars_
cl      _more resolution to see what this is_
.....
```

Section 3.1 – D0!

- * Orange Core Task in Section 3.1
- * Questions Core Task end of Section 2 – ****Image Colour Components****