

Interactive Poster

Process Book

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Research

<https://www.lung.org/stop-smoking/smoking-facts/health-effects-of-secondhand-smoke.html>

<https://www.lung.org/stop-smoking/>

Inspiration

<https://www.creativereview.co.uk/work/work-cancer-research-uks-breath-test-promote-stop-smoking-services/>

Creative Coding Sketches

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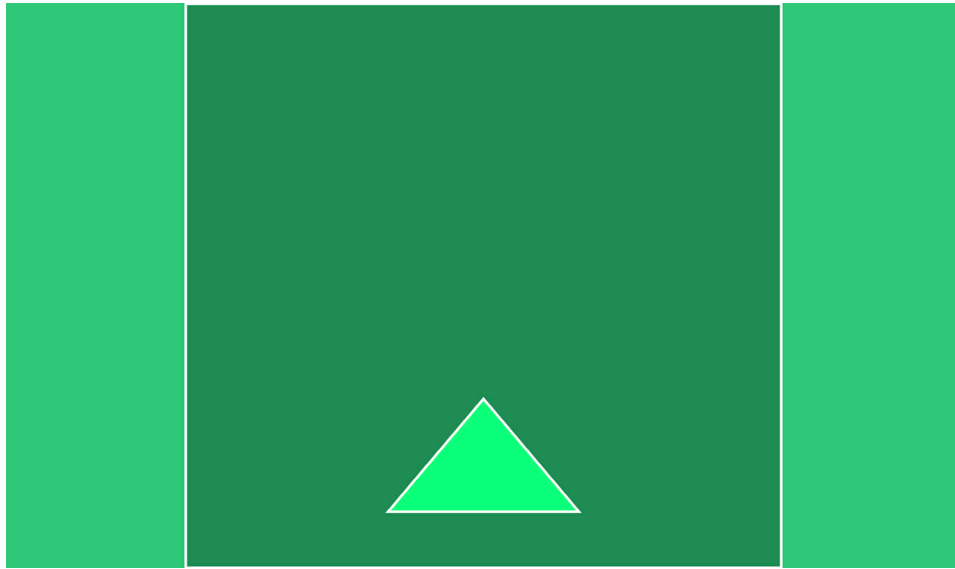
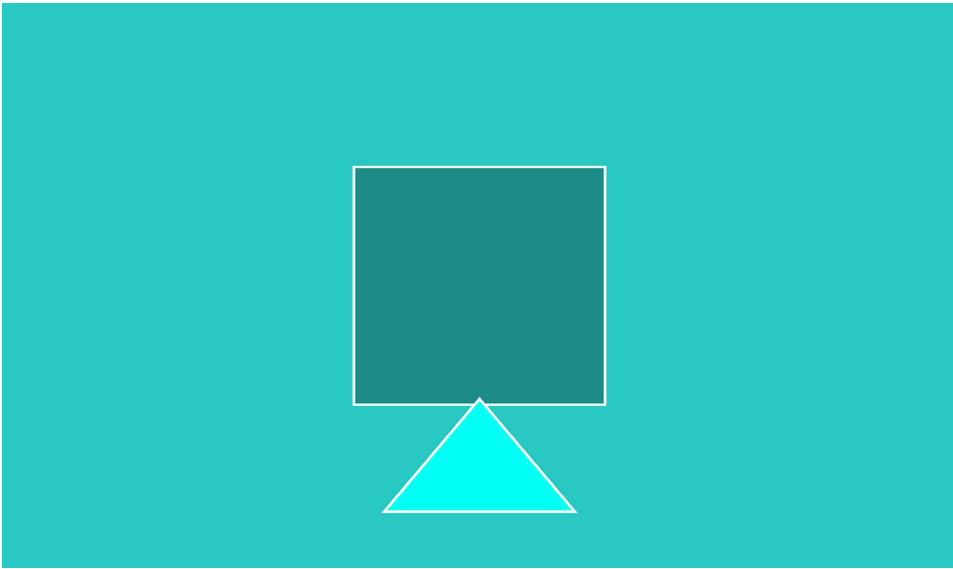
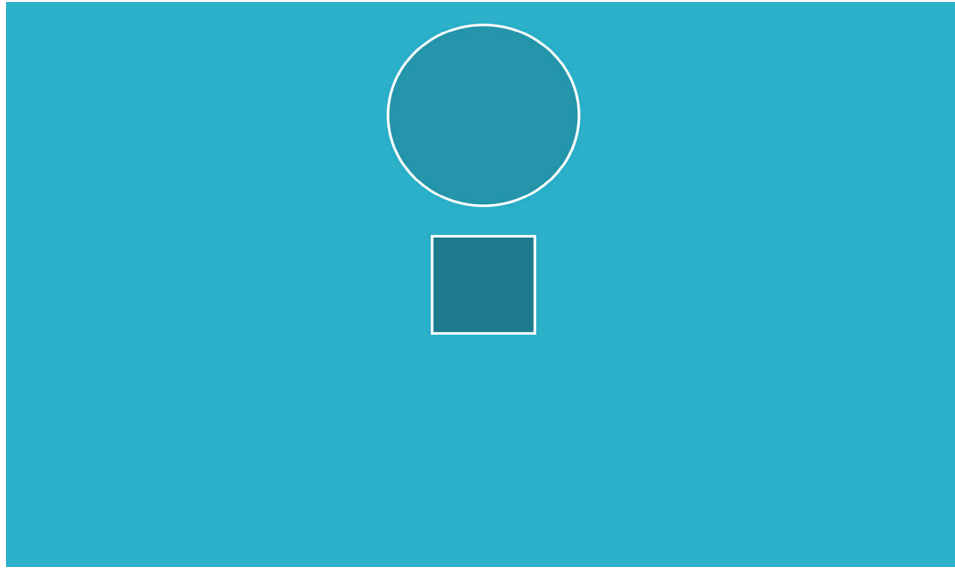
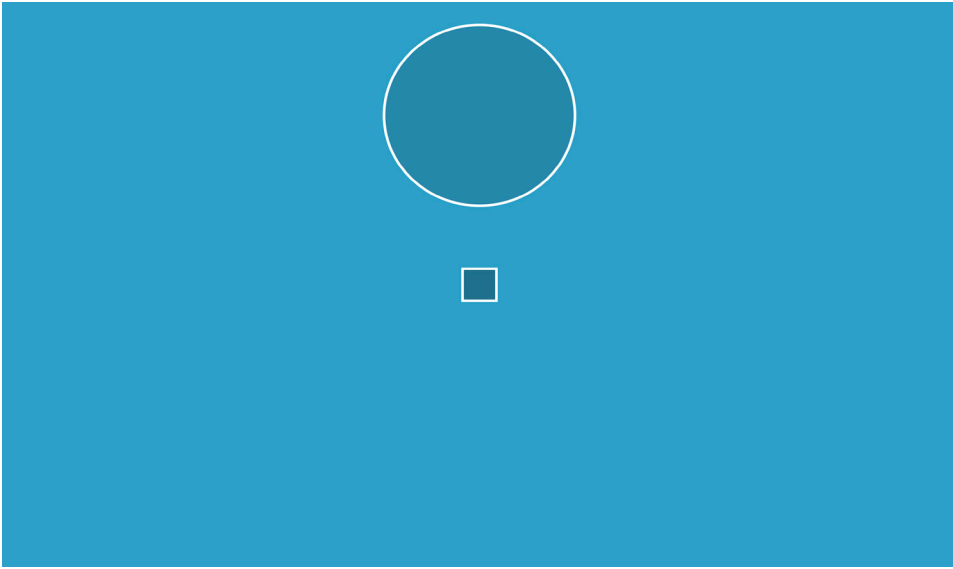
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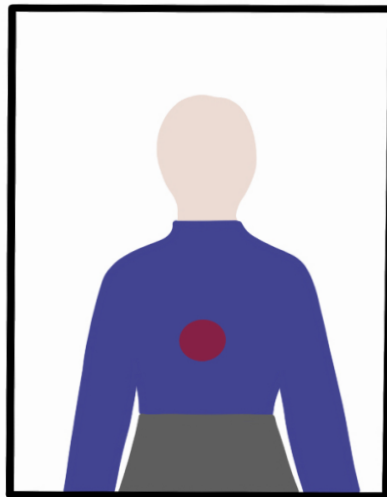
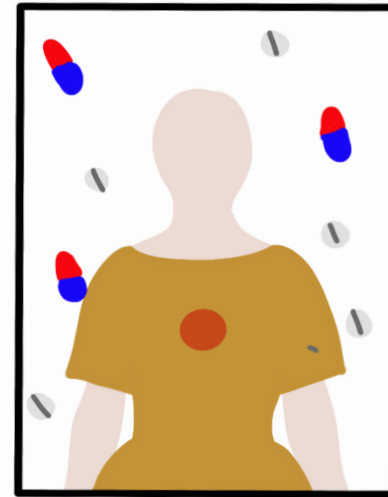
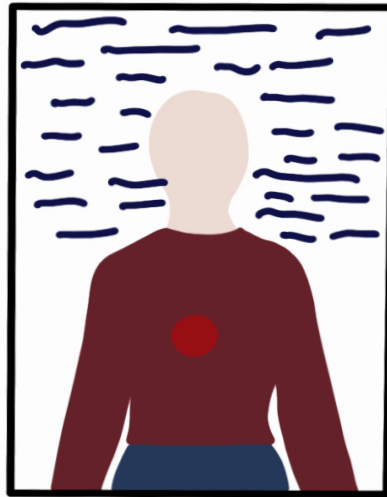
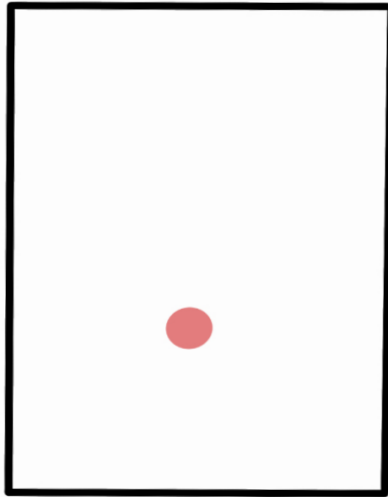
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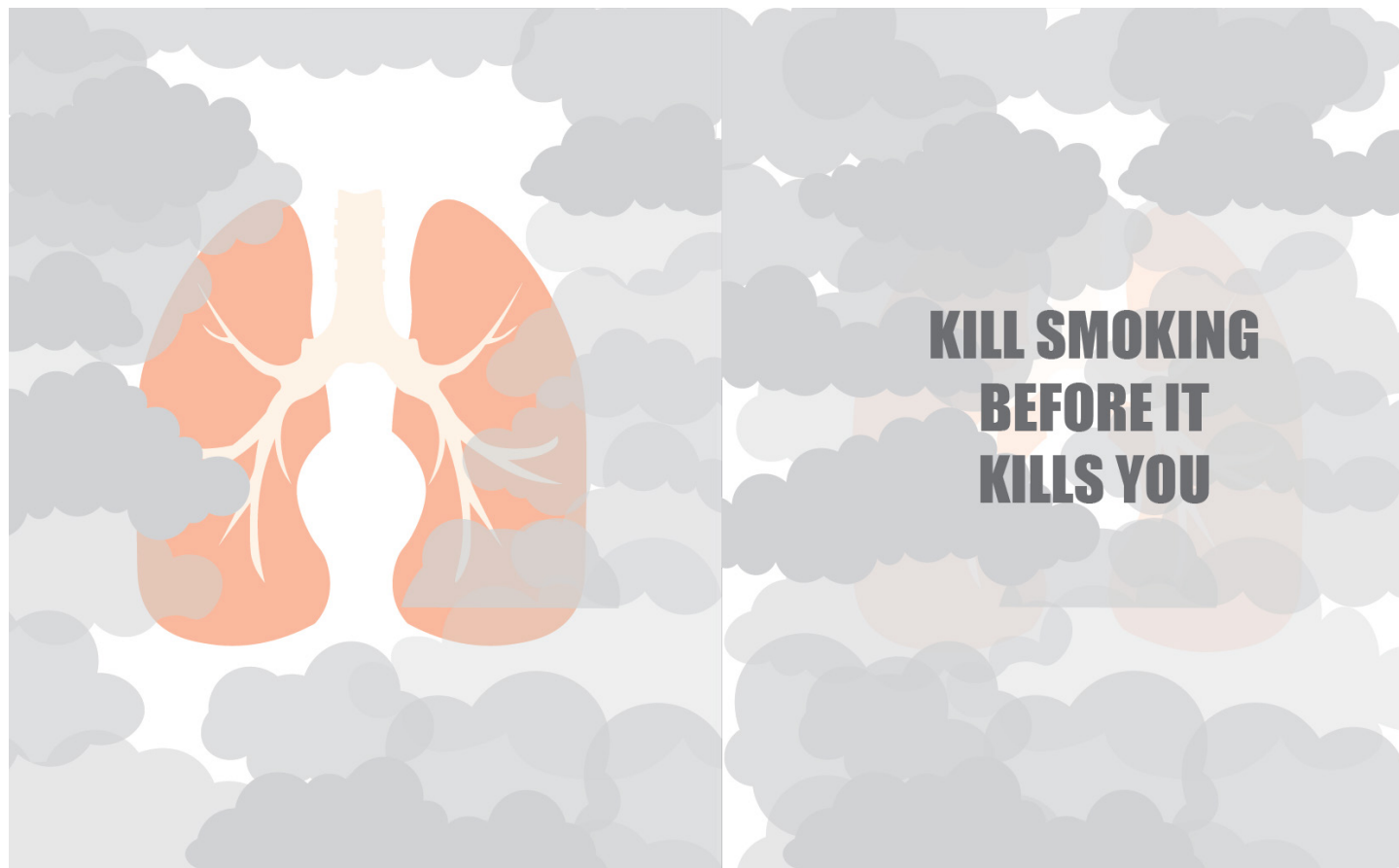
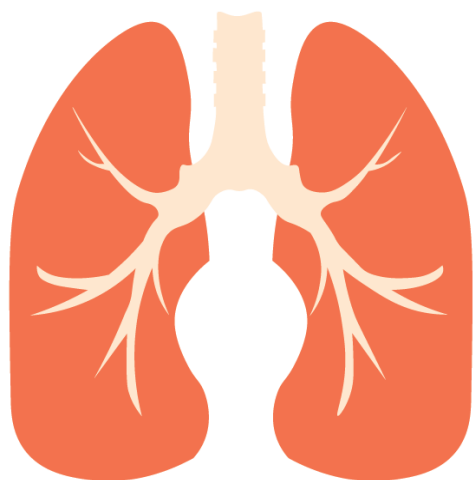
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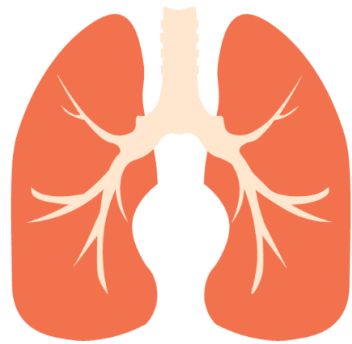
Ideas and Concepts - Poster



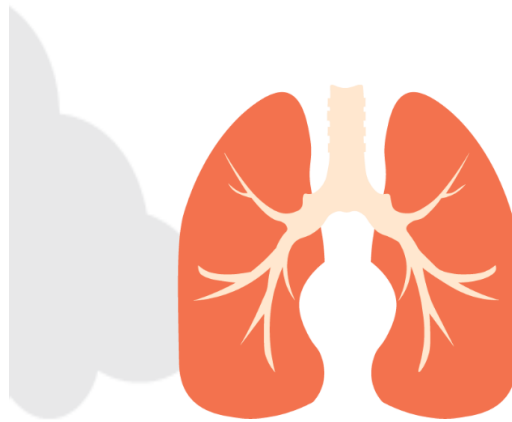


Ideas and Concepts - Interaction





**HOW HEALTHY
ARE YOUR LUNGS?**



**HOW HEALTHY
ARE YOUR LUNGS?**

**SMOKING KILLS YOU AND
OTHERS AROUND YOU**

Secondhand smoke is a serious health hazard
causing more than 41,000 deaths per year.

It causes approximately 7,330 deaths from lung cancer and
33,950 deaths from heart disease each year.

lung.org/stop-smoking



Final Code

```
let x = 1;
let easing = 0.03;

let showFinalText = false;
let showFooter = false;
let blackLung = false;

let lastTimeMillis = 0;
let timeInterval = 5000;

let transparency = 100;

function preload(){
  lung = loadImage('Poster.png');
  smoke = loadImage('smoke.png');
  smoke1 = loadImage('Smoke1.png');
  smoke2 = loadImage('Smoke2.png');
  smoke3 = loadImage('Smoke3.png');
  smoke4 = loadImage('Smoke4.png');
  footer = loadImage('footer.png');
}

function setup() {
  createCanvas(590,420);
  //createCanvas(displayWidth,displayHeight)
  //fullscreen(true)

  mic = new p5.Audioln();
  mic.start();
}
```

```
function draw() {
  let vol = mic.getLevel();

  let volP = map( vol, 0.09 ,0, -width*5, width);

  background(255);

  let targetI = volP;
  let dI = targetI - x;
  x += dI * easing;

  tint(255,255,255);
  let transparencylevel = map(transparency, 0,200,0,width);

  image(smoke1, x * 0.8, height*0.4, width*3.3, height*3);
  image(smoke2, x * 0.6, height*0.4, width*3.3, height*3);
  image(smoke3, x * 0.4, height*0.4,width*3.3,height*3);
  image(smoke4, x, height*0.4,width*3.3,height*3);

  tint(255,255,255,255);
  imageMode(CENTER);
  image(lung,width*0.5,height*0.5,width*0.5, height*0.35);
  if(blackLung == true){
    tint(100,100,100,255);
    imageMode(CENTER);
    image(lung,width*0.5,height*0.5,width*0.5, height*0.35);
    tint(255,255);
    image(smoke1, x * 0.8, height*0.4, width*3.5, height*3);
    image(smoke2, x * 0.6, height*0.4, width*3.5, height*3);
    image(smoke3, x * 0.4, height*0.4,width*3.5,height*3);
    image(smoke4, x, height*0.4,width*3.5,height*3);
  }
}
```

```

if(showFooter == true){
    image(footer,width*0.5,height*0.83,width*0.6,height*0.2);
}
if(showFinalText == true){
    textFont('Impact');
    textSize(height*0.05);
    text('SMOKING KILLS YOU AND',width*0.17,height*0.5);
    text('OTHERS AROUND YOU',width*0.21,height*0.56);
}else{
    textFont('Impact');
    textSize(height*0.05);
    text('HOW HEALTHY',width*0.3,height*0.74);
    text('ARE YOUR LUNGS?',width*0.26,height*0.8);
}

if(x>100 ){

    showFinalText = true;
    lastTimeMillis = millis();

}

if(showFinalText == true && millis() - lastTimeMillis > timeInterval){
    showFinalText = false;
}
if(x>100 ){

    showFooter = true;
    lastTimeMillis = millis();

}

```

```

if(showFooter == true && millis() - lastTimeMillis > timeInterval){
    showFooter = false;
}

if(x>100 ){

    blackLung = true;
    lastTimeMillis = millis();

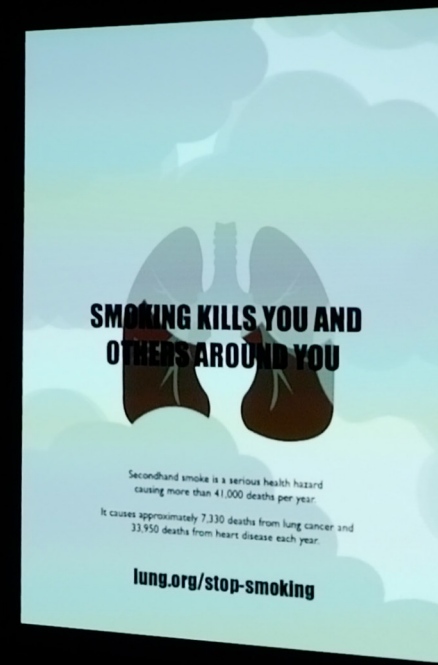
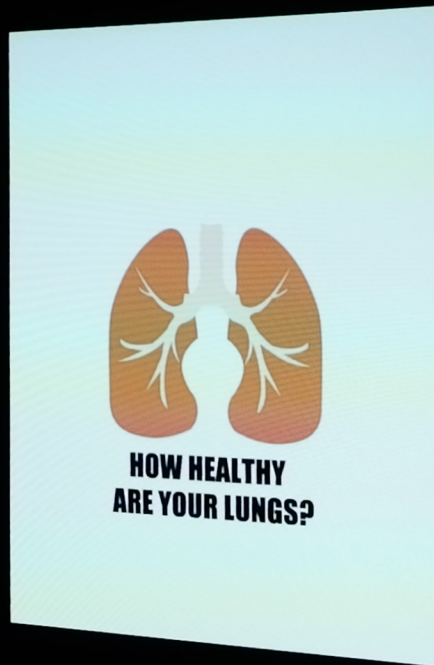
}

if(blackLung == true && millis() - lastTimeMillis > timeInterval){
    blackLung = false;
}

}

```

Final Outcome





Analysis and Potential Next Steps

The initial message posed by the poster and the interaction seem to be misleading and not very connected to the message that comes up after the interaction happens. Next steps could be to make the message more connected to the beginning of the poster and the interaction.