

INTERACTIVE 3D SCULPTURE



Robotics

3D Form

A white cardboard box is shown from a three-quarter perspective. The top of the box has several vertical slits cut into it. The left side of the box features a large cutout of a tree. The front face has a cutout of a person walking. The right side of the box has a large cutout of a tree. Two red arrows point towards the box: one from the top-left towards the top, and another from the bottom-left towards the base. The box is sitting on a grey carpeted floor. In the background, there are some boxes and a black metal frame.

Base

5 possible
sides to
form

Microbit
fits inside

Interactive 3D Sculpture - Benchmarks

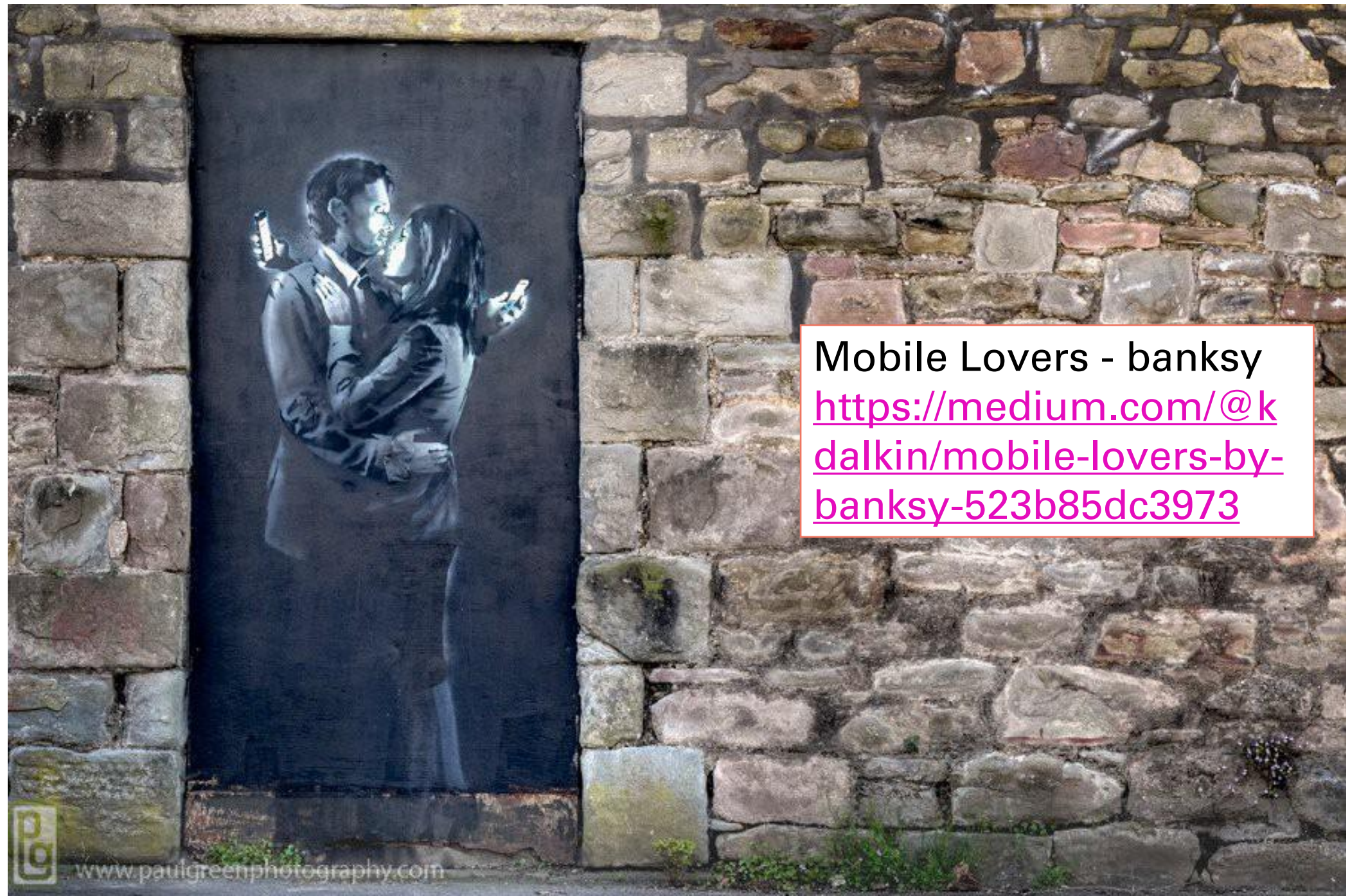
	🕒	✓	😊	😊😊
3D Forms	<input type="checkbox"/> Default base and cube.	<input type="checkbox"/> Default. <input type="checkbox"/> Completed with attention to detail.	<input type="checkbox"/> Base or top changed. <input type="checkbox"/> Properly measured.	<input type="checkbox"/> Outstanding attention to detail. <input type="checkbox"/> Many changes. <input type="checkbox"/> Well executed & measured.
Circuit designs	<input type="checkbox"/> On 2 Sides. <input type="checkbox"/> Default circuit shapes.	<input type="checkbox"/> On 2 sides. <input type="checkbox"/> Well selected. <input type="checkbox"/> Reflects computing social issue.	<input type="checkbox"/> On more than 2 Sides. <input type="checkbox"/> Images represent social issue well. <input type="checkbox"/> May have created own image.	<input type="checkbox"/> On 5 sides. <input type="checkbox"/> High attention to detail. <input type="checkbox"/> Exceptional quality. <input type="checkbox"/> Social issue extremely well explored. <input type="checkbox"/> Created own image.
Coding	<input type="checkbox"/> Uses given light code.	<input type="checkbox"/> Given light code + another given component. <input type="checkbox"/> Lights reinforce message.	<input type="checkbox"/> Modified code. <input type="checkbox"/> Interactivity used to represent social issue.	<input type="checkbox"/> Extensive code modifications used to explore social issue. <input type="checkbox"/> Possibly Movement or Arduino sensors.

I need some time alone.



Instagram Influencing Culture

<https://magazine.artland.com/how-social-media-is-shaping-art-the-impact-of-an-instagram-obsessed-culture/>



Mobile Lovers - banksy
<https://medium.com/@kdalkin/mobile-lovers-by-banksy-523b85dc3973>



Surveillance -
banksy
<https://www.phaidon.com/agenda/art/articles/2014/april/15/banksy-attacks-surveillance-culture-with-new-mural/>



Digital Divide
<https://mashable.com/article/what-is-the-digital-divide>

An
inspiration
piece





An
inspiration
piece

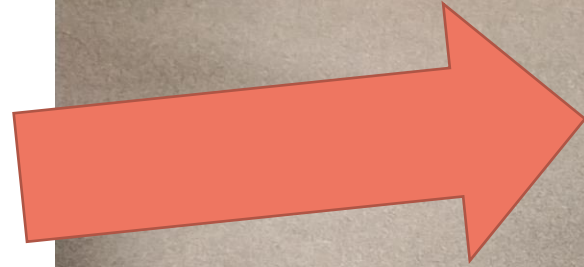


An
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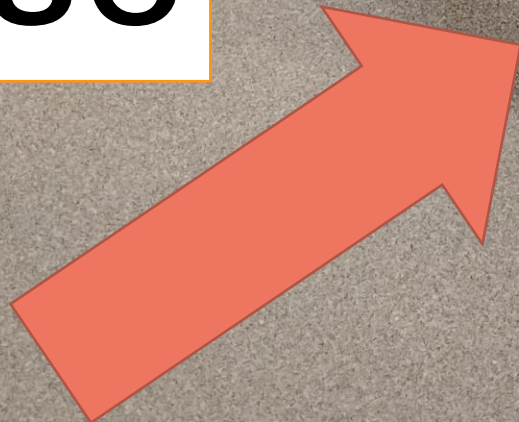


An
inspiration
piece

3D Form



Base



While looking at the inspiration pieces, remember that yours is taking this form.

1. Issue Identification

- ☐ Identify the issue.
- ☐ Choose a specific instance of the issue, narrow the issue.
- ☐ Your specific instance needs to be limited in time and limited to one country.
- ☐ Briefly explain why it is important.

2. Specific Example:

- ☐ Find a study or a specific example in news media, library resources or a TED talk.
- ☐ Source the evidence using MLA.
- ☐ Identify the 5Ws and H from the article.

3. Science behind the Technology:

- ☐ In no more than 250 words, outline the science behind the technology.
- ☐ Be clear about how electricity is used.

4. Geography behind the issue:

- ☐ In no more than 250 words, outline how the issue relates to the country you selected.
- ☐ Identify government policies
- ☐ Identify major stakeholders