

REPAIR INTO RESILIENCY PROJECT_

Scientific Method

1. Ask A Question
2. Do Research
3. Construct a Hypothesis
4. Test with an Experiment
5. Does it work?
6. Analyze and Draw Conclusions
7. Communicate Results

DUE OCT 10:

Ask A Question

1. What object will you repair and why?
Do you consider repair to be an important design skill?

Do Research

2. What are 2-3 possible ways this object could be repaired?
What do you need in order to do the repair?
Do you have the materials and skills?

Construct a Hypothesis

3. What will your process of repair be?
How long do you expect the repair take?
How long do you want your repair to last?

DUE OCT 17:

Test with an Experiment

4. Attempt repair.

Does it work?

5. Was the repair successful?
Are you happy with the results?
Is the repair more beautiful/interesting in some way than the original?
How is the object more resilient after the repair?

Analyze and Draw Conclusions

6. What did you learn?
How long do you expect this repair to actually last now that it is complete?
What surprises did you encounter?
What would you do differently next time?
Are there other ways you could have repaired this item, that you realize now?
After completing this project, do you consider repair a more valuable skill?

Communicate Results

7. Create an illustrated LP post showing your process and results.
Be mindful of lighting, focus, background and final results.

Reflection:

8. What is the most important aspect of making a design easily repairable?
9. After completing this project, what's one object that you wish you could repair but don't feel as though you currently have the skills to do so?
- 10: Did your repair require fewer materials and involve fewer systems than buying a new replacement? Which systems?