

Design the most effective movable *joint*

DRAW 3 min

What makes a good joint?

- many degrees of freedom?
- solid and robust along one axis?
- serves a specific function?
- light and fluid?
- energy efficient?
- gives you super powers?

Your mission: **Design the best joint for
your partner.**

Something useful and meaningful.
Start by gaining empathy.

1 Interview

4 min *(2 sessions x 2 minutes each)*

Notes from your first interview

Switch roles & repeat interview

Design the best joint for your partner

2 Dig Deeper

4 min *(2 sessions x 2 minutes each)*

Notes from your second interview

Switch roles & repeat interview

Reframe the need that joint addresses

3 Capture findings
2 min

Goals & Wishes:

What is your partner trying to achieve?
What actions?

Insights:

New learnings about your partner's feelings and motivations: What is something you see about your partner's experience that maybe they don't see?

Make inferences from what you've heard.

Reframe the need

4 Take a stand with a POINT OF VIEW

2 min

USER [_____]

partner's name

needs a way to

[_____]

user's needs

because (or "but..." or "surprisingly...")

[_____]

[_____]

insight

IDEATE: generate alternatives to test

5 Sketch [4 radical ways to meet partner's needs]
2 min

[_____]

write your problem statement above

User feedback

6 Share your solutions & capture feedback

4 min *(2 sessions x 2 minutes each)*

Notes

Switch roles & repeat sharing

Iterate based on feedback

7 Reflect & generate a new solution
2 min

Sketch your big idea

Build and Test

8 Build your solution
12 min

BUILD something your partner can
interact with

9 Share your solution and get feedback

4 min *(2 sessions x 2 minutes each)*

++ What worked?	-- What could be improved?
?? Questions	!! Ideas