



3Doodler[®] EDU

Design Challenge

LOOKING
SO INTENSE

AHHH
CHOC
FAHAH
CHOC
GHA
BLESS
YOU

Exquisite Machines

Participant's Guide

▣ The Challenge

What kind of machine could be created using the Exquisite Corpse game, the 3Doodler pen and only a single plastic strand per participant?

⌘ Challenge Background

📝 Notes

🔗 Take It Further

This challenge inspires flexibility, collaboration and creativity during the innovation process. See how different results can be when played more than once, used as an ice-breaker for new teams.



Fig.1



Fig.2

During the early 20th century, a cultural and artistic movement called Surrealism explored the realm of dream and reality. A popular drawing game, Exquisite Corpse, allowed for artists to collaborate together to create fanciful creatures or elaborate humans. A paper would be folded into four sections (feet, legs, torso and head) and each artist would draw one section without knowing what the other artist had drawn before.

✂ Materials & Tools

⚠ Before You Start Doodling

We recommend using a DoodlePad or clear tape placed over paper as a foundation to keep your Doodles in place and so that you can peel them off with ease.



- A.** 3Doodler Pens and Plastic Strands
- B.** Tools (from your 3Doodler box) plus needle-nose pliers or scissors for snipping plastic ends
- C.** Clear plastic tape or DoodlePad for Doodling foundation
- D.** Paper for Doodling foundation and extra sketching/note-taking space
- E.** Drawing utensils (markers, pens or pencils)
- F.** Camera or video recording device to document the Challenge and results

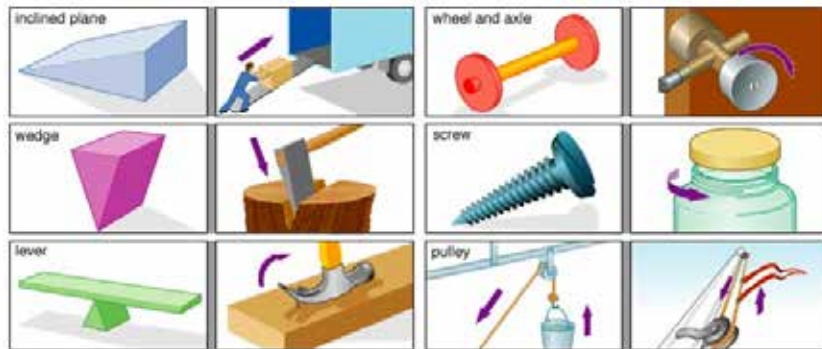
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Class 2: Build, Present & Reflect

⌚ Total Time: 50 min.

📝 Notes

🔧 Build (⌚ 40 min.)



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Fig.3

🔧 Remember to Snip Those Ends

We recommend pliers or scissors for snipping plastic ends. Make sure to keep your plastic ends clean to prevent clogs and jams. Snip plastic after removing it from the 3Doodler pen to make sure it's clean for the next time.

Step 1: Each team member will be given a plastic DoodleStrand and a piece of paper with the name of a simple machine (lever, hook, screw, wedge, wheel or axle) to add to the team's Exquisite Machine build. Don't tell your teammates which simple machine you're going to add. Each team member will have 25 minutes to make their simple machine with the 3Doodler pen.

Step 2: Teams will be given 15 minutes and a 5th plastic strand to figure out how all four of the simple machines will go together using the 3Doodler pen.

🗣️ Present & Reflect (⌚ 10 min.)

Each team will present and discuss their Exquisite Machine.

Step 1: Teams will name their machine and identify and demonstrate the machine's use and capabilities.

Step 2: Teams will discuss how the Exquisite Corpse challenge changed the way they thought about how their simple machine could be used or adapted.



🔗 More Information:

For more information and inspiration on Surrealism, please visit:

- http://www.metmuseum.org/toah/hd/surr/hd_surr.htm

For more information on the Exquisite Corpse game, please visit:

- <http://goo.gl/k3pGKj>

For more information on simple machines, please visit:

- <http://www.cosi.org/downloads/activities/simplemachines/sm1.html>

🖼 Images:

Cover Page: <https://goo.gl/Wjj4cN>

Fig. 1: http://farm5.static.flickr.com/4049/4693749706_7271c5a688.jpg

Fig. 2: https://upload.wikimedia.org/wikipedia/commons/8/81/Exquisite_Corpse.jpg

Fig. 3: <https://goo.gl/48zoDW>