



Sketch Making for Design Thinking // Online Workshop

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https://engineering.purdue.edu/productdesign/wp/?page_id=330



More Exercises and Activities for Children:

Now that you have completed the video tutorials in our *Sketch Making for Design Thinking* online workshop, lets put those skills in to practice. Here are some short exercises to push your sketching abilities.

1. 30 circles

Let's get your creative flow going. Take a print out of the template below or make your own by drawing 30 circles on a blank paper. Grab a pen/pencil and sketch as many things as you can out of the circles in a few minutes. Set a timer so you know when the session has elapsed. Don't fret if you cannot come up with 30 drawings. Let your ideas flow into and from your pencil strokes.

This exercise helps you improvise communicating visually without thinking too much about the end result or waiting for only your best ideas. After the time has elapse, share your results with your family and friends. Can you tell a story that links the different people, places, and things you drew?

Variation A: Try this exercise with different shapes, such as squares, rectangles, triangles, or diamonds. We have included sheets for squares and triangles in this PDF as well.

Variation B: Ask a family member to draw some simple, random shapes on a piece of paper and see what you can come up with then.



2. Sketching things around you

The visual world is made up of various shapes. Let's practice how to draw 3D objects. First, we'll draw some simple objects and then more complex ones.

For this activity, you will be using the *principles of perspective* and *Boolean combinations* that were demonstrated in videos 06 (<u>Theory of Perspective</u>) and 07 (<u>Complicated 3D Shapes</u>).

Do not worry if you cannot locate these specific objects. Anything around your house will work.

Simple Household Objects Examples

- a. cereal box
- b. toilet paper roll
- c. mug
- d. pencil
- e. book

More Complex Household Objects Examples

- a. table lamp
- b. kitchen cabinet
- c. toy car
- d. chair
- e. oven





