

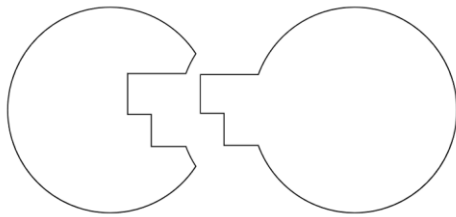
Project Make

Inkscape Key assignment

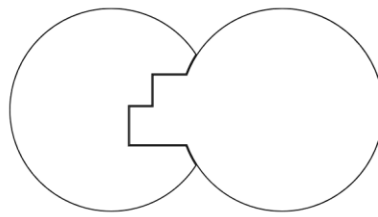
Due: 4th and 6th periods: Thursday 2/15

3rd period: Friday 2/16

Your task today is to make a "key" in Inkscape. By key I mean two shapes which fit together like a key. Here is a simple example:



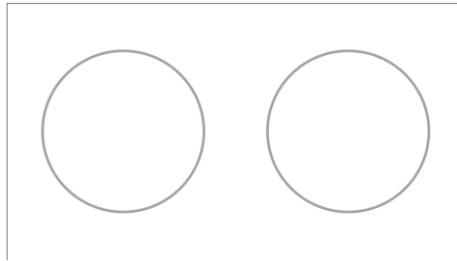
Key shapes apart



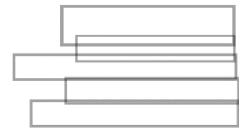
Key shapes put together

How to do this? Here are the steps:

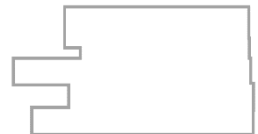
1. Create a new Inkscape document. Save it with your name and the word key.
2. Make a circle that is 3 inches across (that's 3 inches across, not 6). Duplicate it, put one on each side of the paper like this:



3. Create the key pattern using at least five rectangles. The pattern must be made of rectangles that vary in their horizontal arrangement and size. Here are good examples and a bad example. You only need to make one arrangement of these rectangles, I'm showing you a few examples. Start by making one rectangle. Then duplicate it four times, and make each copy a different height. Then drag them around to look something like this:

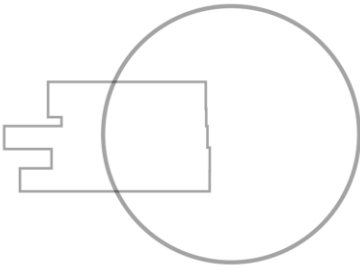


4. Select just the rectangles by selecting them and choosing Path>Union. You should now have something like this:

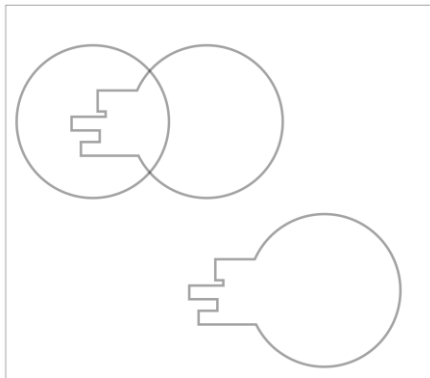


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Drag the "key" over the right-hand circle so that the shapes overlap, something like this:



5. Select the key and the circle and Path>Union.
6. Duplicate this circle key thing. Put one copy on top of the other circle and the other down below, like this:



Notice the copy of the key shape below, you have to have a copy of it like that.

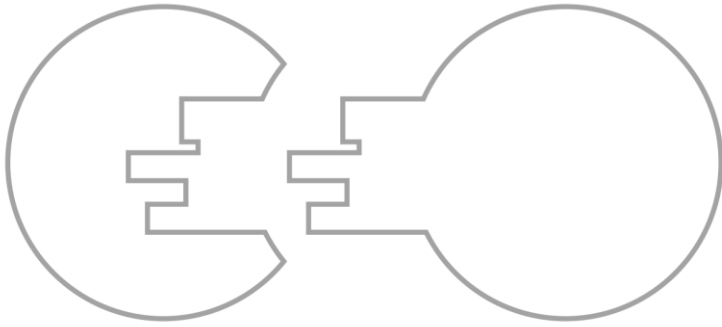
7. Select the top two shapes (the left circle and one of the key shapes) and align them vertically (Object menu>Align and Distribute). Then choose Path>Difference. You should have something like this:



If Inkscape "takes away" the wrong part, duplicate the right hand key part, toss the original, and carefully place the new one in the same place, then try again.

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8. Line up your pieces so they are next to each other but not overlapping. Use the Align tool to line them up vertically. Your situation should look like this:



9. If necessary, turn off the fill.
10. **Use the text tool to write your name in the document under the key shapes.** Save, then close your document and turn it in.

If you need help, I posted a video with the assignment where I do the whole thing.