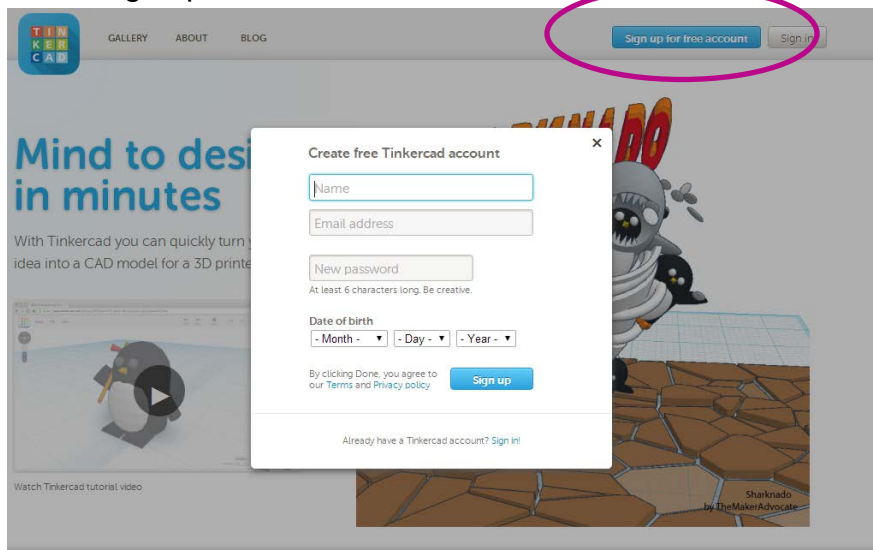


3D Printing Workshop, Oregon State University, 2014



Getting Started with Tinkercad

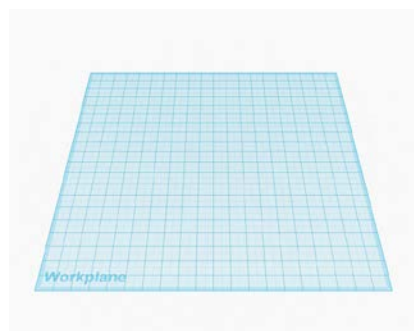
- Open your browser
- Navigate to the Tinkercad website at <https://tinkercad.com>
- Click “Sign up for free account”



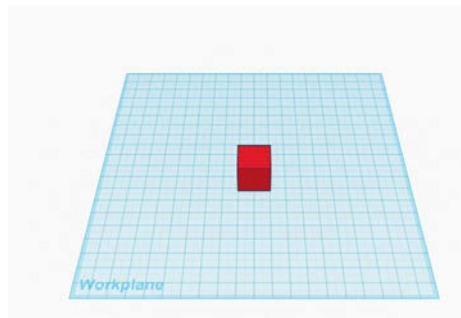
Design

Designing a “jaws” to close a bag

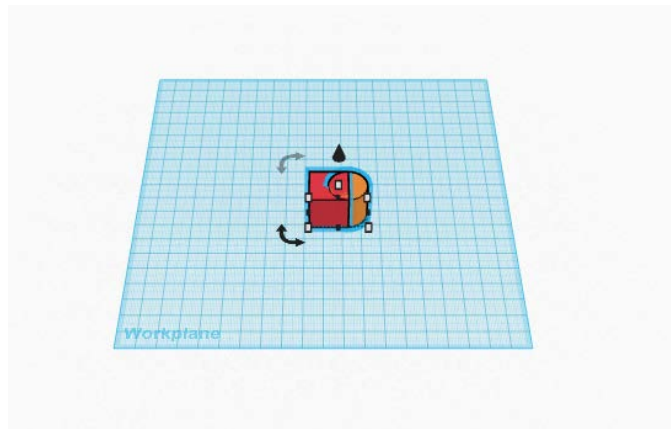
- 1) Click Dashboard, then click the “design a new thing” button
You will notice that you are now in an editing mode, with a “workplane” This is where you will be designing your object



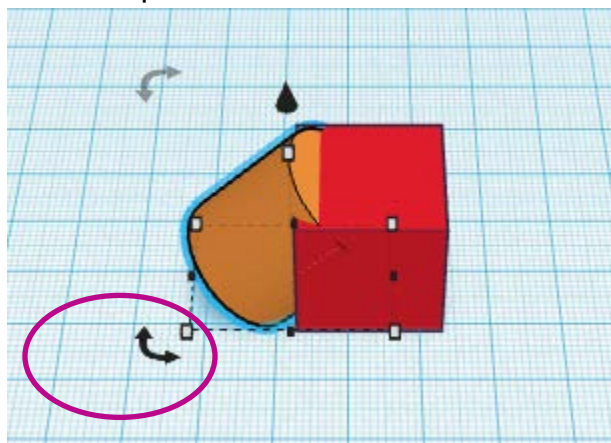
- 2) From the right hand bar, choose the Box from the Geometric shape area and drag it to the workplane



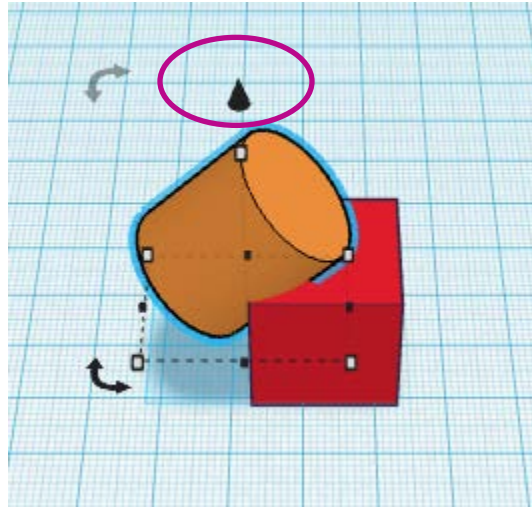
- 3) Click the arrow buttons to move the view to another angle. Or press and hold the right mouse button down while moving the mouse
- 4) Zoom the view by using the plus + and minus – signs or by using the mouse scroll wheel
- 5) Move the shape around the workplane. Use the top handle to change the height of the shape and use the corner handles to change its size along the workplane.
- 6) Add a cylinder shape to the workplane



- 7) Use arrows to rotate the shape

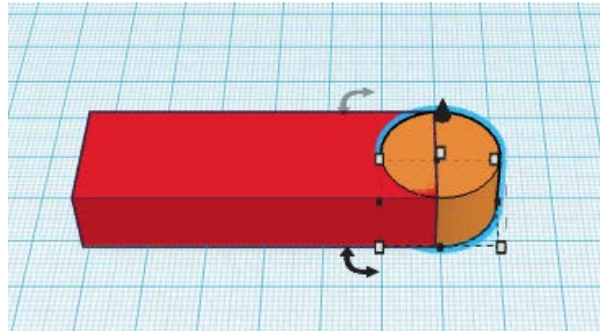


8) Move the shape up and down by using the arrow handle on top of the shape

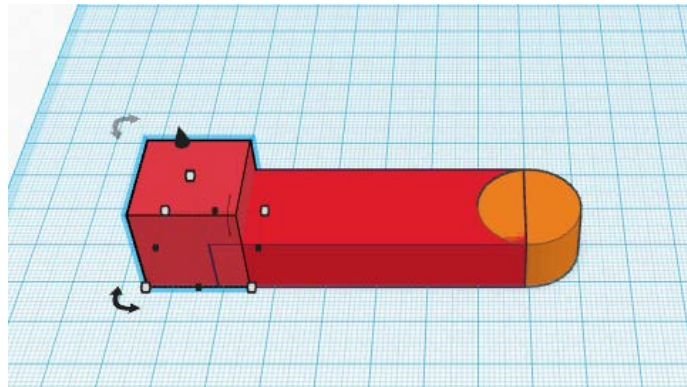


9) Select multiple shapes with box select or by holding down the shift key while clicking on shapes you want to select

10) Make the shape a bit longer by dragging on the end

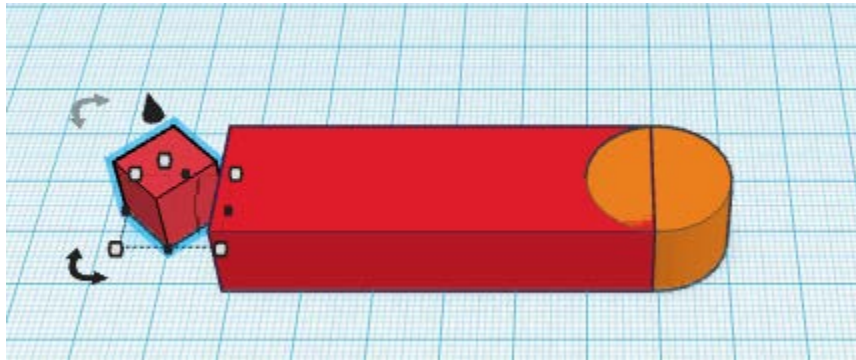


11) Add a box to the shape

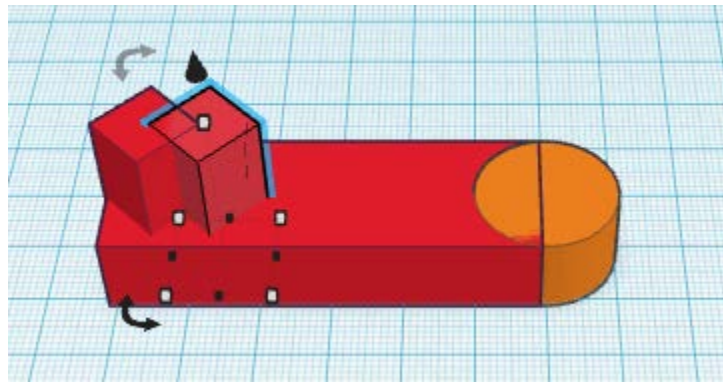


12) Press and hold the shift button while scaling to resize the shape equally in all directions

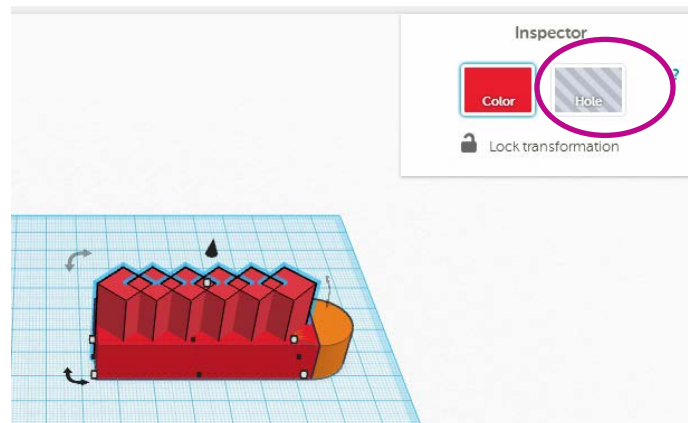
13) Rotate the box 45 degrees using the bottom arrow, then make the box taller.



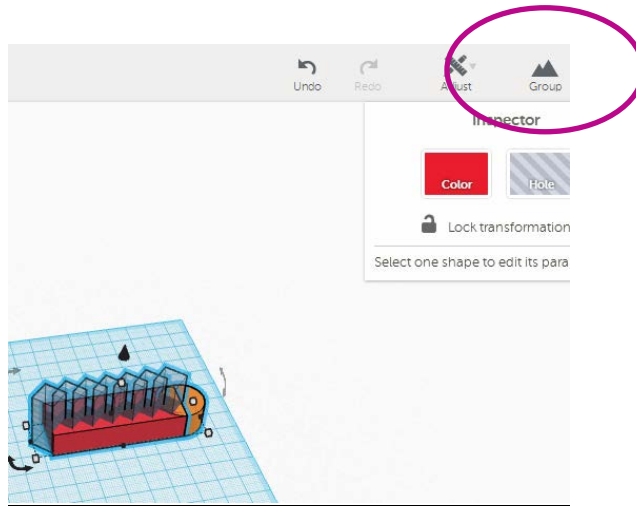
14) Use copy and paste or control D to duplicate shapes.



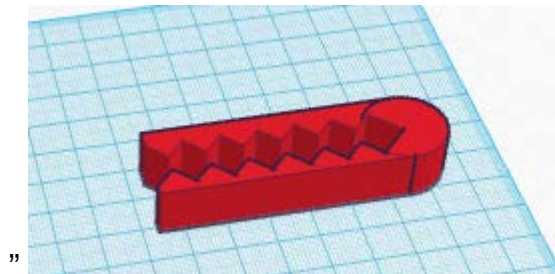
15) Select all the duplicated shapes and click “hole” to create a hole in your object



16) Select the whole object using box select. Then click Group



17) You have designed a bag “jaws



18) Under design, click save and close and then you can rename your file.