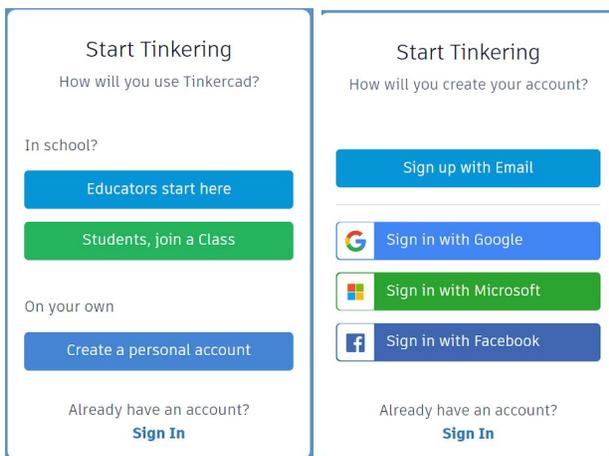


3D design & print with

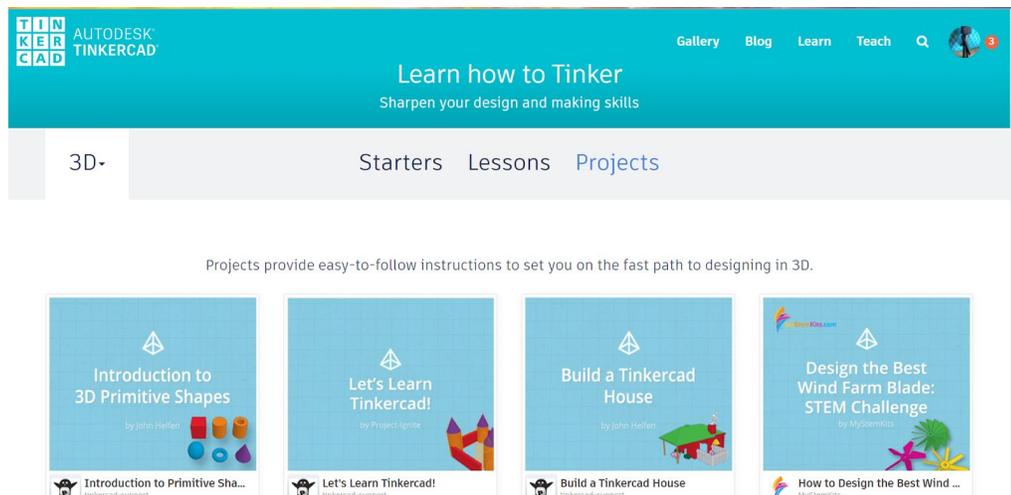


AUTODESK®
TINKERCAD®

1. Navigate to the website tinkercad.com
2. Click the JOIN NOW button in the upper right corner to create an account- choose create a personal account

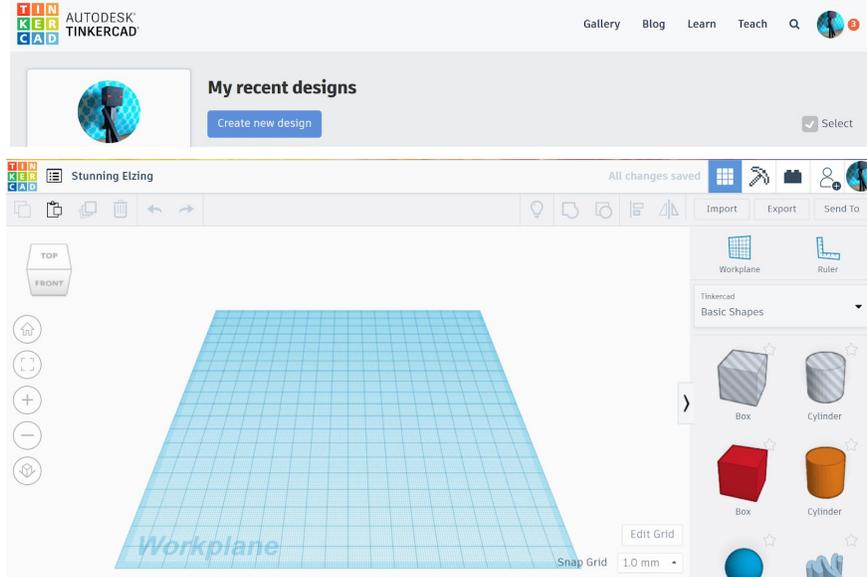


3. Click Learn in the top navigation bar then under 3D section (default on page), click projects, and then Let's Learn Tinkercad.
 - a. This tutorial will run you through the basics of tinkercad's 3D design builder including: how to navigate the various menus and tools, how to place, move, rotate, and resize shapes, grouping, & more!
 - b. See starters and lessons tabs for more help!

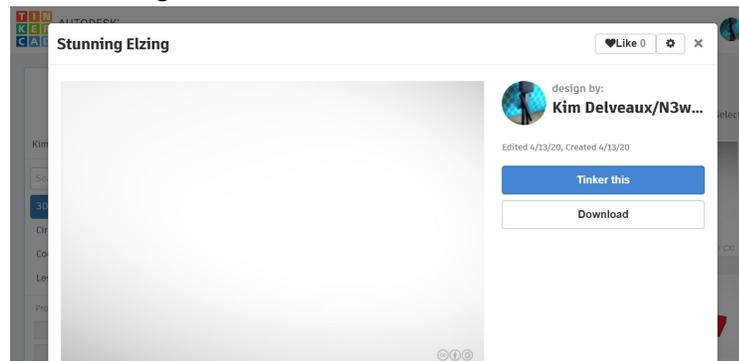


4. Once you are comfortable with the controls, you can start creating your 3D designs by clicking on the tinkercad logo to go to your dashboard of designs and clicking create new design

- a. Tip: Each new design is auto named something silly by the builder, but to make sure you know which files are what be sure to rename it!



- b. Not sure what to make? Check out the galleries of [tinkercad](#) &/or [thingiverse](#) to get ideas &/or build off someone else's work, &/or try out these beginner builds: [Name keychain](#), [Flexi build](#), &/or [Action figure](#)
 - c. Have an idea but not sure how to make it? Check out [instructables](#), a website dedicated to sharing tutorials on how to make various crafts.
5. Done editing?
 - a. If you wanna keep working on your design later, simply close your window, all your work in the editor is autosaved after every step! You can always go back to editing by going to your dashboard, clicking on the project you wanna edit, and then clicking Tinker this.



- b. You can have your design printed out for free using our library 3D printers (only print with [PLA\(plastic\)](#)). If you want to do so, see the following limits:
 - c. When done designing, make sure you design is flat on the workplane, click export, export as stl. file & submit by email (call or email to ask how

this works) and we will let you know if we can print it for you and have you pick it up via curbside pickup.

- d. Because of limits on time, materials, and to be fair to other patrons, if you want to make a large, complex, or with material other than PLA plastic builds, please check out the following websites: [3dhubs](#), [i.materialise](#), [sculpteo](#), & [shapeways](#).
6. All done? Consider sending us pictures of achievements/creations &/or filling out the feedback form and emailing them to us at: rclteenservices@co.ramsey.mn.us