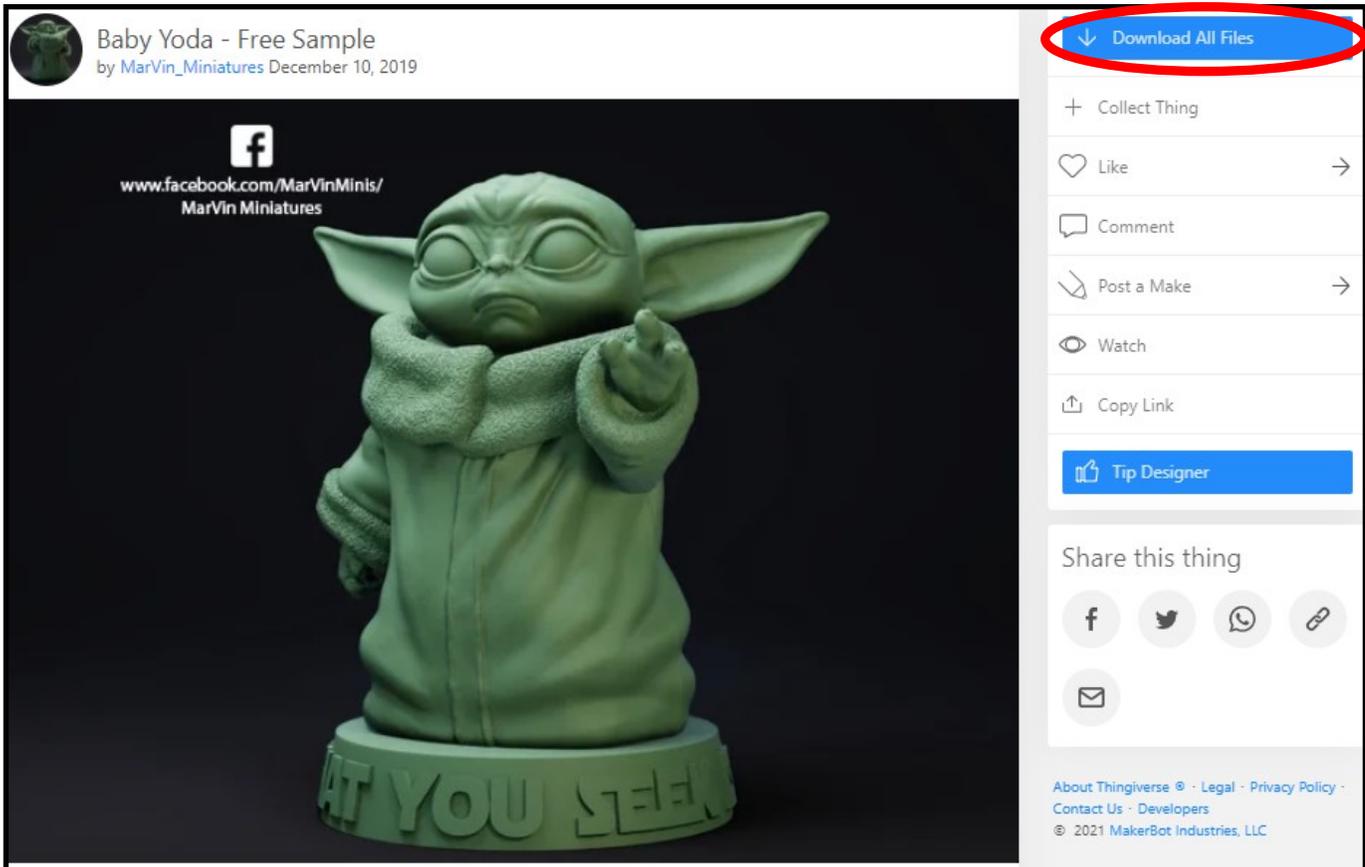
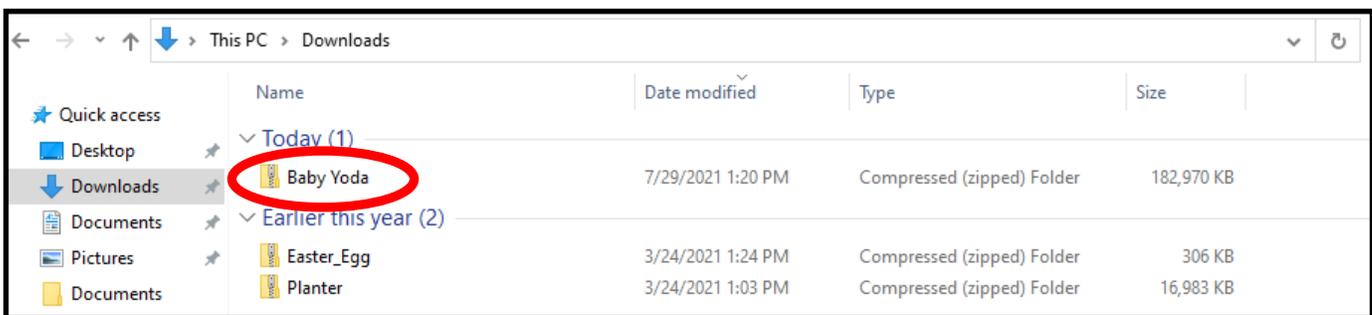


# HOW TO 3D PRINT *with* LULZBOT MINI 2

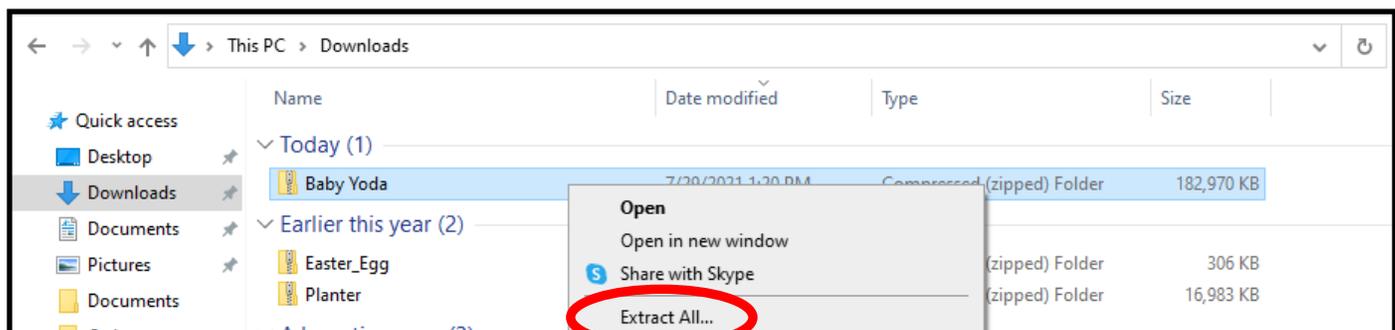
1. Browse *Thingiverse.com* (shortcut available on the Desktop) for a 3D model or create your own on TinkerCAD.
2. Click the project you want to make and click **DOWNLOAD ALL FILES**. Navigate to the *Downloads* folder if not already there.



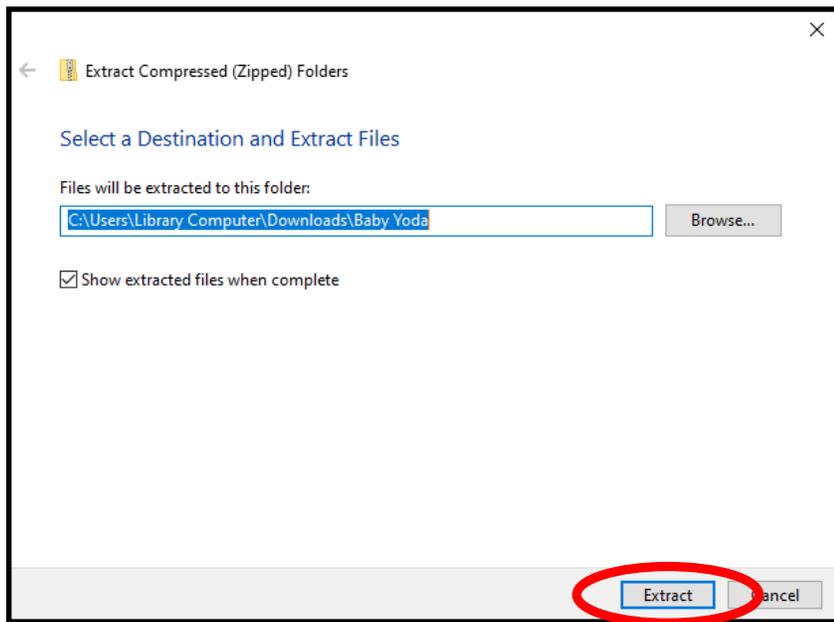
3. Go to the **DOWNLOADS** folder and find your project. It will likely be in a compressed (zipped) folder. If not, proceed to Step 8.



4. Then Right-Click on your project and select **EXTRACT ALL**.

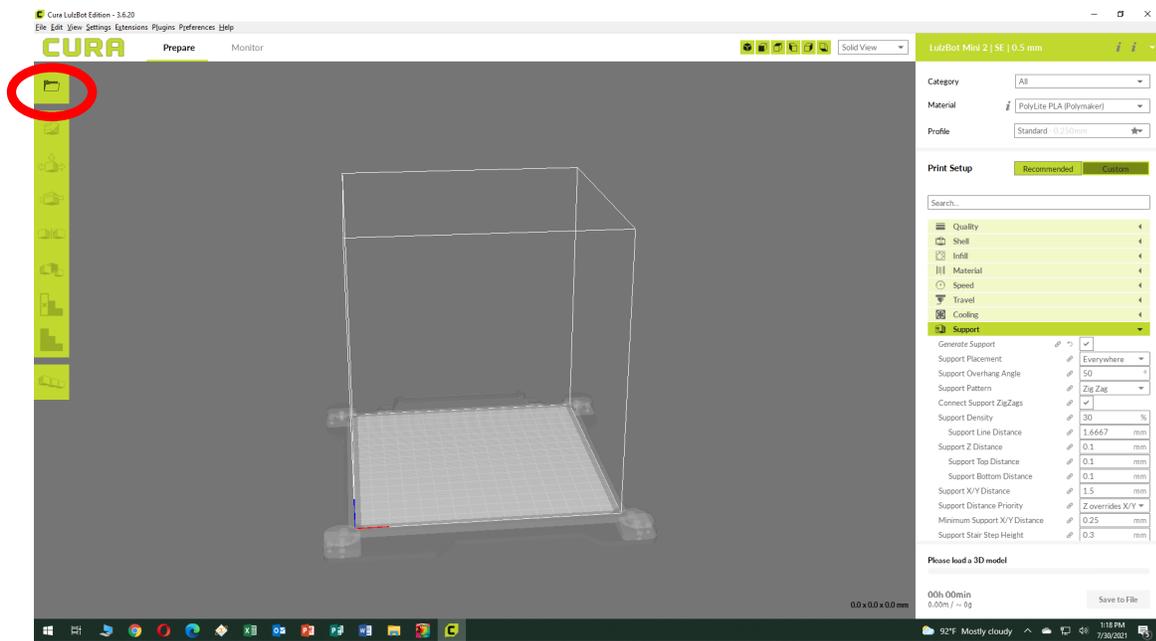


5. Click **EXTRACT**.

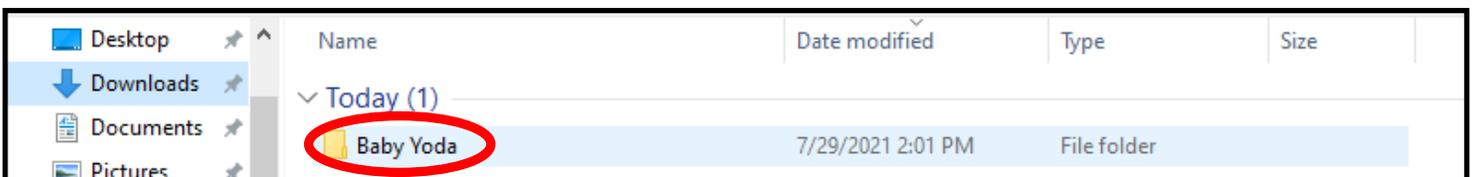


6. Open the **Cura Lulzbot** application from the shortcut on the Desktop or from the Start Menu.

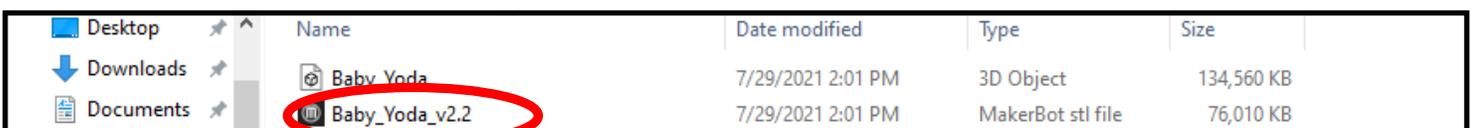
7. Click the top left **Open File** icon.



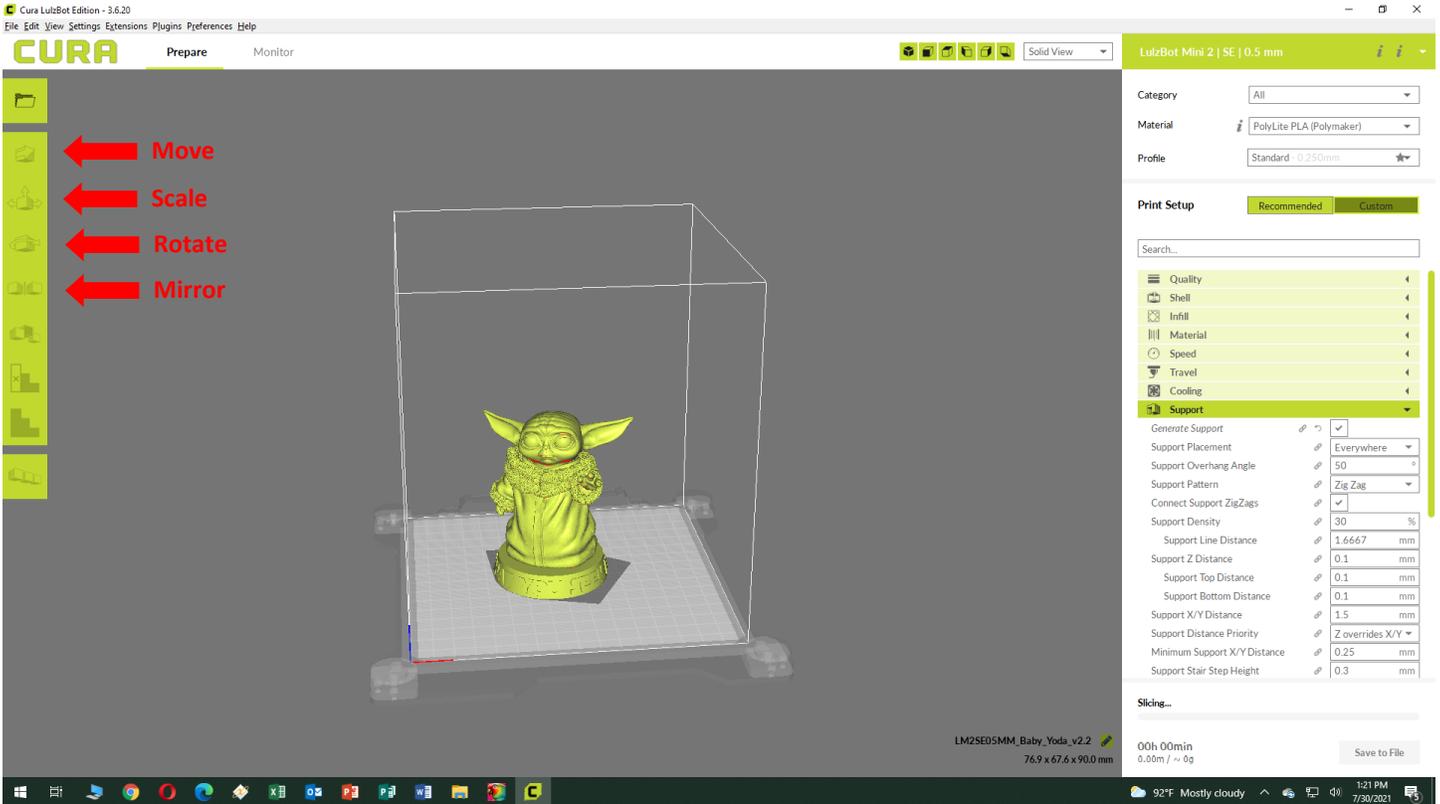
8. Find your project in the **Downloads** folder and double-click it to open it.



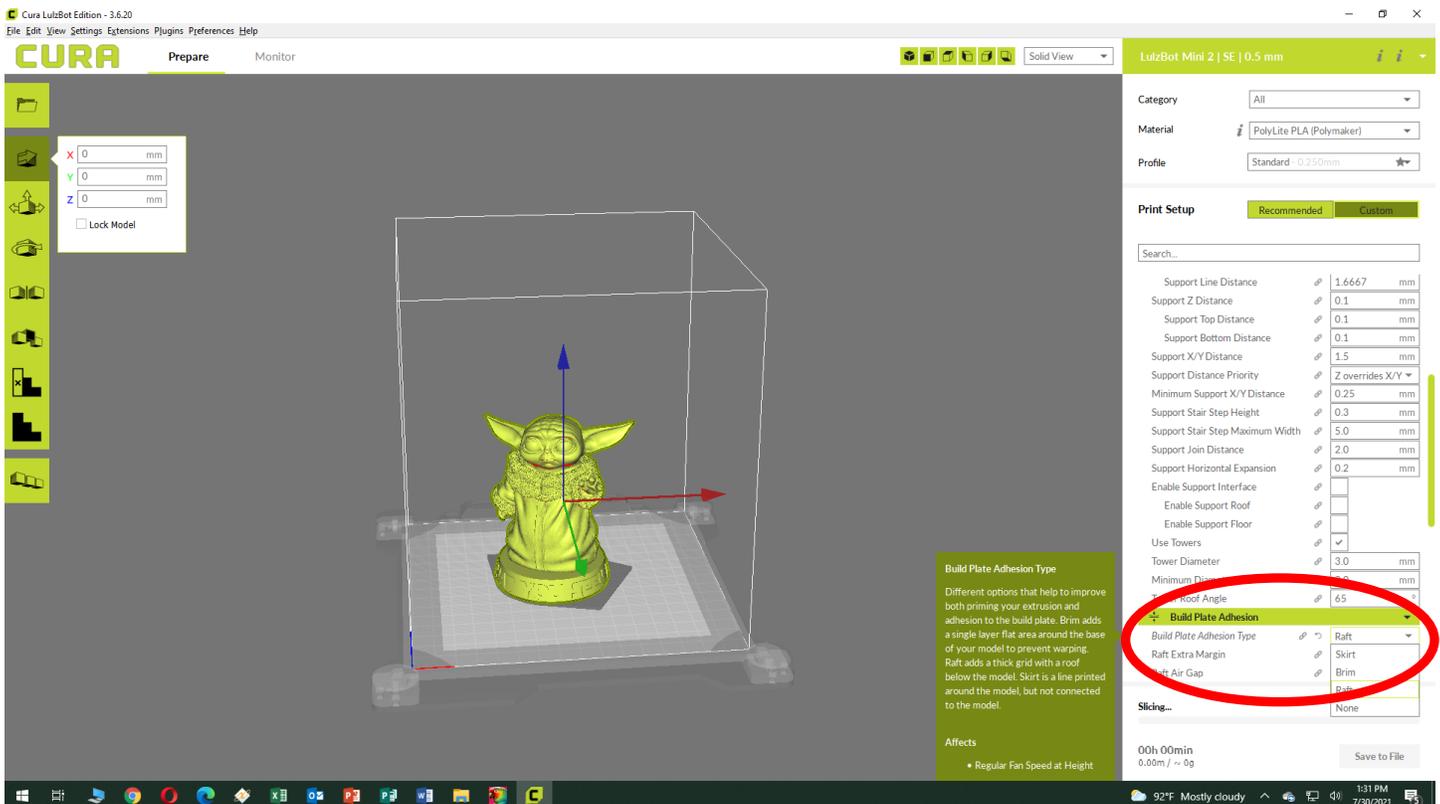
9. Double-click on the **Files** folder, then select the **Makerbot stl** file and click on **Open**.



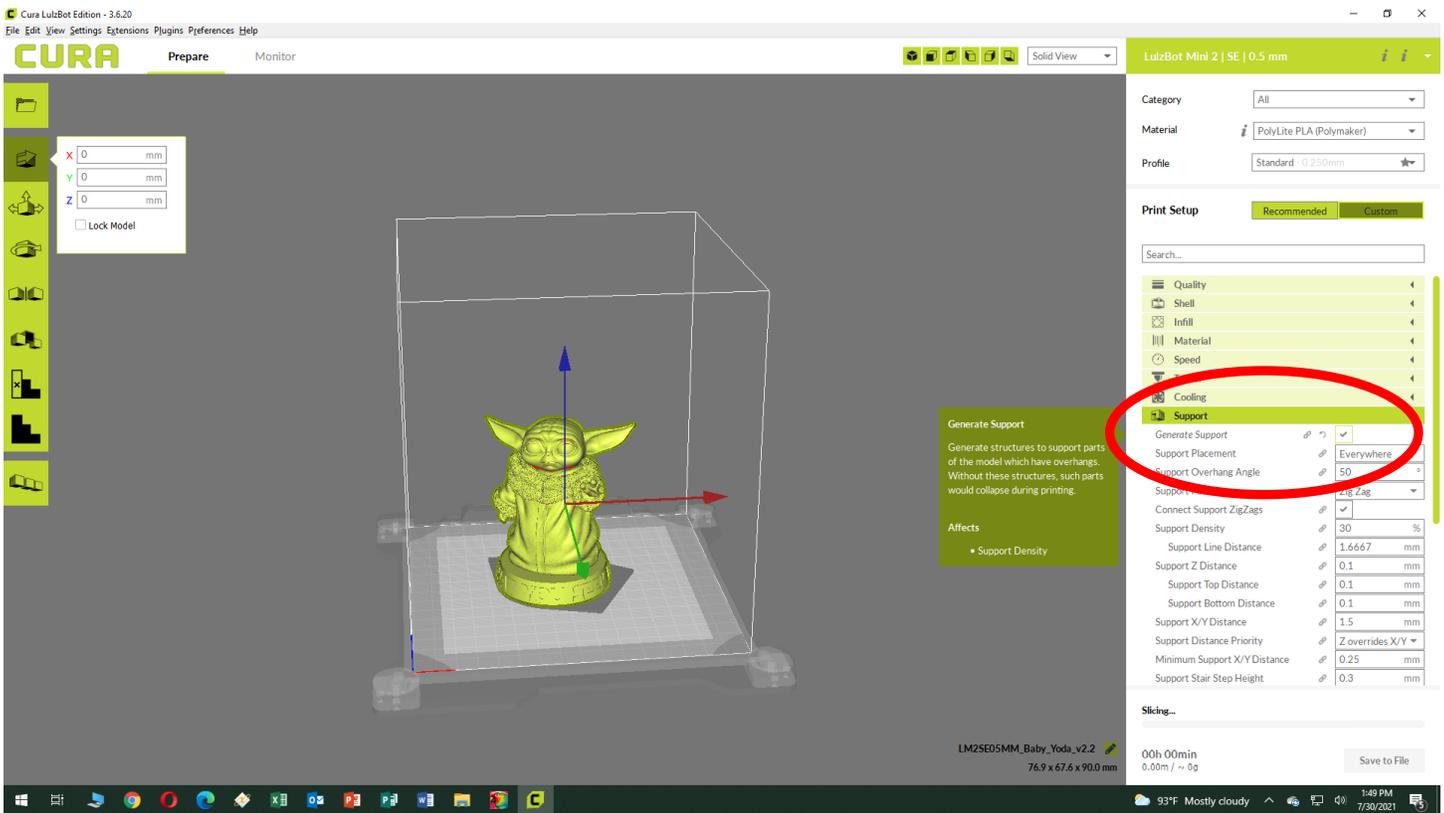
10. Depending on your project, you may adjust the model or change setup. First click on your model on the build plate. Then you can move your object around on the build plate by using the **Move** button, increase or decrease the size of your object with the **Scale** button, change its orientation (vertical, sideways, etc.) by using the **Rotate** button, or reverse/invert the object with the **Mirror** button.



11. Many 3D projects will require a raft (a base upon which to build the object) to keep the object from sliding around on the build plate. To add a raft, click the **Build Plate Adhesion** menu item on the right side of the screen and select **Raft for Build Plate Adhesion Type**.

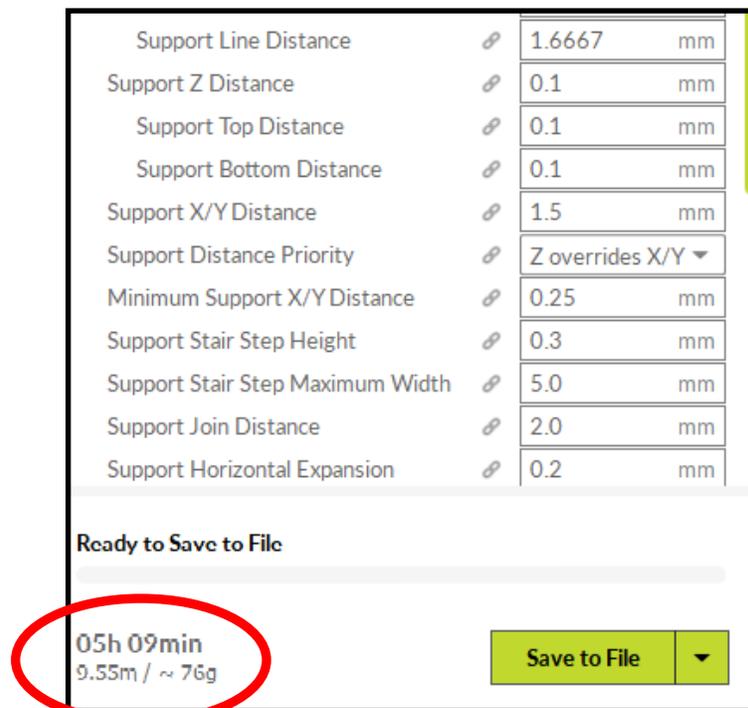


12. Many 3D projects will require supports. If part of your object extends out into midair (such as Yoda's ears in this example) it will need supports. To add supports, click the **Support** menu on the right side of the screen and click the **Generate Support** box.

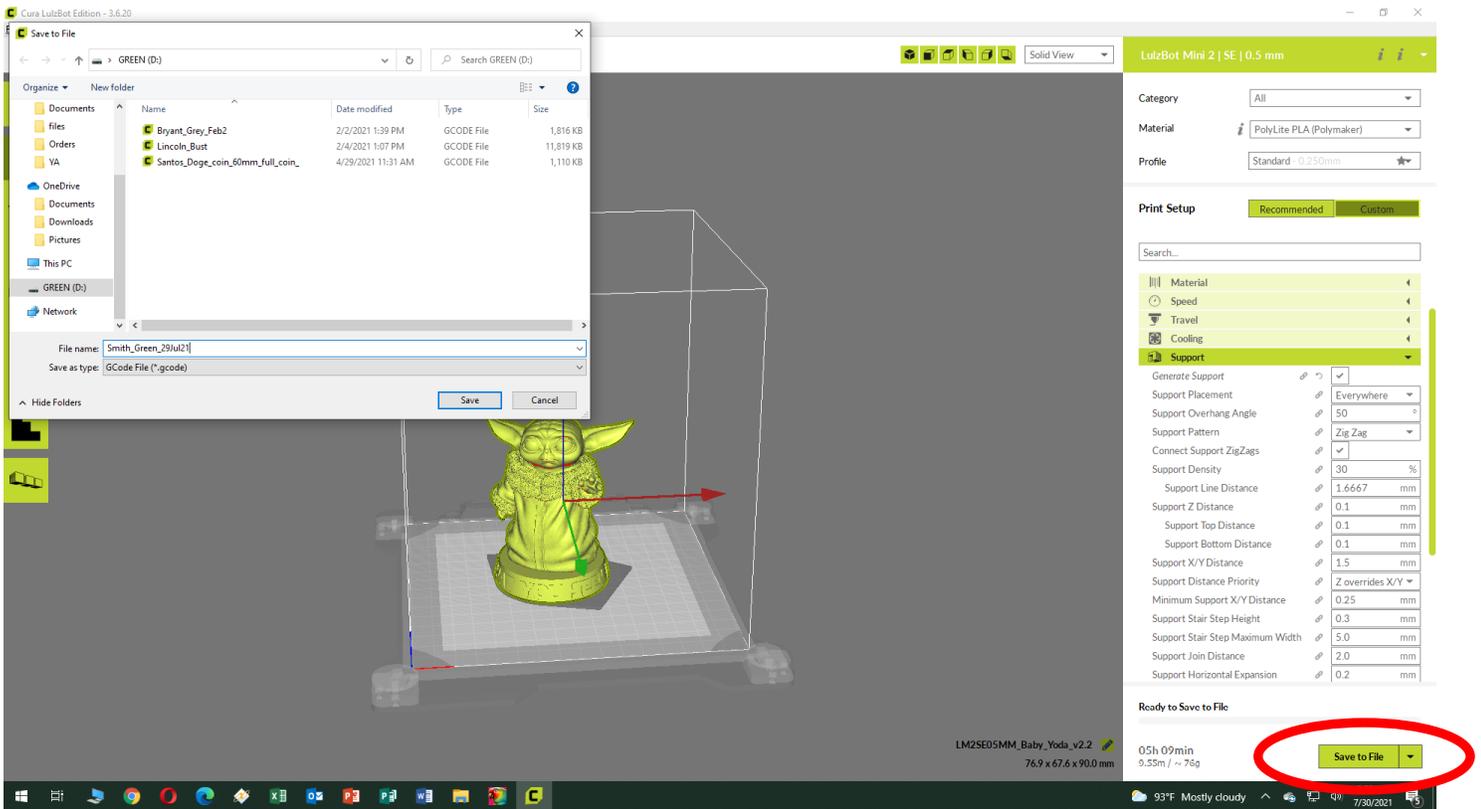


13. Note the time estimate for your project. You are limited to 12 hours of 3D Printer time per month. If the estimate is longer than 12 hours, reduce the scale of your project until it will take 12 hours or less.

**Please note the material usage amount listed below the time estimate (9.55m in this example) and let the Library Staff know how much filament will be needed.**



14. Once all settings are as you want them to be, click the **Save To File** button. Navigate to the SD Card provided by the Library Staff and please use the file name format **Last Name\_Filament Color\_Date**, i.e., **Smith\_Green\_29Jul21**. Do NOT close the Cura Lulzbot program until you have verified with the Library Staff that the project is properly prepared.

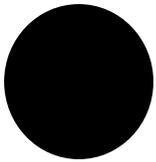


15. Give the SDCard to the Library Staff and let them know the estimated printing time and filament usage. They will verify that the project is properly prepared and schedule your project for printing.

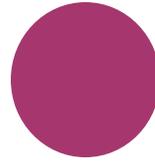


# LULZBOT®

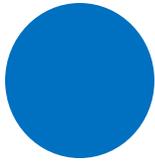
## FILAMENT COLORS



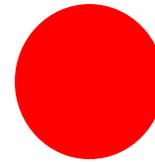
**BLACK**



**TRUE PURPLE**



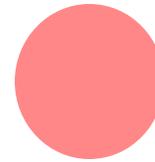
**BLUE**



**RED**



**GRAY**



**TRANSLUCENT  
RED**



**NEON GREEN**



**TEAL**



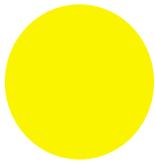
**TRUE GREEN**



**WHITE**



**ORANGE**



**YELLOW**



**TRANSLUCENT  
ORANGE**



**TRANSLUCENT  
YELLOW**