

3d Printer Rules:

1. Make sure the build plate is clean

2. Level the build plate

- A level bed helps ensures a good print, it only takes a few minutes

3. Put a layer of glue down using the glue sticks provided

- This helps the print adhere to the bed when printing
- It's water soluble: helps you remove stubborn prints when finished

4. Stay with your print until the first layer is down

- If it's not printing correctly you will notice it within the first layer.
- Not printing right? Stop the machine and troubleshoot or speak with a monitor

5. Set a timer so you know when to come and get your print

- Finished prints left on machines will be removed and placed on the metal shelves

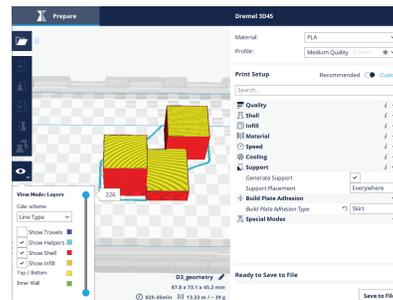
6. Remove your print and clean the build plate

**Students are allowed to use 1 machine at a time,
unless they've received permission from a monitor**

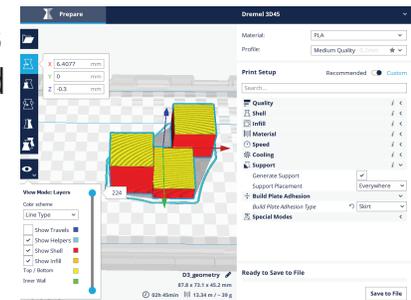
Bed Adhesion Issues?

1. Did you follow steps 1-3 on 3D Printer Rules? If yes skip to step 2
2. Check the preview in DigiLabs to ensure nothing is floating
 - If it is make sure that supports are turned on. Still floating? move everything down by increments of -0.1mm

In this image the skirt is intersecting the model in Preview mode. This means that something is floating and your print will probably fail.

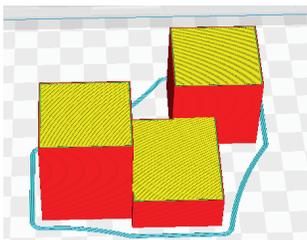


In this image the model was moved down by -0.3mm and the skirt is now going fully around the model in Preview mode. This means your geometry is good.

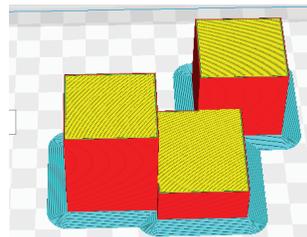


3. Check Bed Adhesion tab in DigiLabs

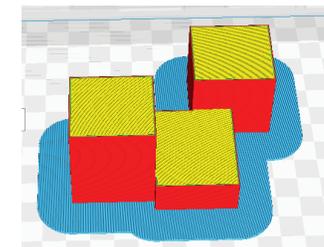
- You may need to switch to a Brim or Raft



A **Skirt** is the default on DigiLabs for bed adhesion. This doesn't supply any support really, but acts as a good warm up for the printer. It is good if your model is flat at the bottom w/o supports



A **Brim** creates several layers that are flat next to your model. This thin layer helps keep your supports from failing and reinforces small pieces



A **Raft** creates an entire surface underneath your print. This can add a considerable amount of time to your print. We suggest trying a brim first.