Make It Print

3D Printing Side Quest

Names: _____ **Class:** _____ **Date:** _____

Prerequisites: ☐ Power Circuits Questions 1-6 complete ☐ teacher approval ☐ printer available

Mission

Use the teacher-approved printer workflow to print the approved PCSS logo model, if your teacher provides it, or another small teacher-approved object. You do not need to design a new model.

Safe workflow

1. Obtain the printer login from your teacher.
2. Select the approved printer and model.
3. Confirm scale, orientation, material, and estimated print time.
4. Show the sliced preview to the teacher.
5. Obtain approval before starting.
6. Start the print and observe the first layer.
7. Stop and notify the teacher for poor adhesion, filament problems, unusual noise, collision, smoke, smell, or unexpected movement.
8. Allow the printer and print surface to cool before removal.
9. Remove the object only when approved, clean the area, and record the result.

Approval record	Response
approved model and printer	
scale, orientation, and material	
estimated print time	
teacher approval before start	

Required evidence

☐ sliced-preview screenshot ☐ first successful layers photo ☐ completed print or safely stopped print photo

What worked: _____

One improvement for next time: _____

Success

Success means following the process safely and producing a successful print attempt. A failed print can still earn achievement when you document the evidence and respond safely.

Google Classroom: Topic **Side Quests** | Title **Make It Print** | One shared submission per pair.

CC BY-SA 4.0 · Created by Andrew Andrade · andrewandrade.ca · Source: github.com/mrandrewandrade
Please share, modify and redistribute. If you change this file, do not remove:
CC BY-SA 4.0. Original Source: andrewandrade.ca and add your own name + links. Sharing is caring!