

Eric Zylman

College Station Middle School
900 Rock Prairie Rd
College Station, TX 77845

Designing and Printing Your Own Phone Stand



- 7th and 8th grade students will brainstorm and create a cell phone holder using a 3D printer.
- This project will take 3 weeks from beginning to completion due to students having no previous knowledge of Fusion 360.
- Students will create a proposal for approval. Once approved, they will create their object using Fusion 360 along with measured engineering drawings.
- Students projects will be graded with a rubric on creativity, originality, and the presentation they make to the class attempting to sell their product.
- This will be a new unit in the curriculum.
- The only assistance I foresee needing at this time would be to become more familiar with Fusion.
- Technology 7th Grade TEKS 1b, 2a, 4a, 4b

Revisions...

- Students will be restricted to making a cell phone holder instead of any object.
- Each student will be allowed to print out their own cell phone holder and the PLA filament will be procured by using funds from this program, parent donations, or possible fundraising. The 3D printer I will be choosing with my funding from this program will probably be the Dremel Digilab 3D40 (\$1052.49). Filament costs for around 60 students should be around \$60. A possible fundraising idea would be to choose a winning design from each class and then offer them for sale to the entire school.
- The first week of the program will be used to get the students familiar with Fusion 360 before they start creating their own cell phone holder.
- Engineered Drawings will be taught as the first unit of the semester so that students may be able to incorporate it into some of the other projects we will be creating during the Spring semester.
- The success rubric will be a combination of functionality and quality of the design.

Principal Approval...

Unit from my Summer Internship... Inbox x

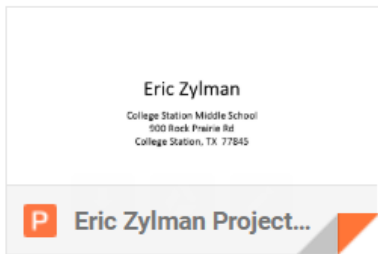


Eric Zylman <ezylman@csisd.org>

10:56 AM (2 hours ago)

to Oliver ▾

Attached is a proposal for the unit I created as part of my summer internship. Part of the requirement is that I need to get approval from you. If you could reply with approval, I would appreciate it. I hope your summer is going well.



Oliver Hadnot

11:05 AM (2 hours ago)

to me ▾

Yes, I approve.

