

PVC 3 project

Project Make/Make 2

Due: 4th period, Thursday 2/4/21 midnight
3rd, 7th, Friday 2/5/21 midnight

Here is a new PVC object that I created. What is it? You tell me, what might this be good for?

This is a cube. From outside corner to outside corner each way is 12 inches. It uses a several corner connectors.

Your tasks:

1. As before, make a parts list.

First, figure out how many connectors of what type are required to make this.

Second, figure out how many pieces of pipe of what length are needed. This creation only uses one length of pipe.

2. Open the Google Doc attached to this assignment in the Google Classroom. (A copy of the Google Doc "PVC3" for you to edit is already in this assignment in the Google Classroom.)
3. In the Google Doc, answer the question: What do you think this creation is?
4. Fill out the connectors table in the Google Doc.
5. Fill out the pipe lengths table.
6. Calculate the total length of pipe required to make this. If you aren't sure what I'm asking, here is another way to say it: Let's say I'm going to buy a single long piece of pipe and cut it up into the pieces I would need to make this object. In inches, how long of a piece would I need? (Hint: If you divide your answer by how many pieces of pipe you say we need in the table, you should end up with the length of one of the pieces.)
7. Finally, go to Tinkercad and create one of these using cylinder pieces. You do not have to make it to scale and you do not have to try to create the connectors, just use cylinder shapes to create this thing in Tinkercad.

Alternatively, if you prefer, draw a sketch of this object on a piece of paper.

8. When done, copy a Tinkercad share link and paste it into your Google Doc or take a photo of your sketch and paste it into the Google Doc. If you paste in a share link, type the Enter key after pasting it in; this turns it into a live link.
9. Turn in the Google Doc on the Google Classroom.

