

About us

Career Academy South Bend is a public charter school in South Bend, Indiana. The school opened in 2011 with the vision of making a school that offers students a hands-on project-based curriculum with multiple career pathways that cover the most in demand jobs. Engineering Development & Design (EDD) is the capstone engineering pathway course where students work together as a team to solve community problems/projects. Also, the class utilizes the Project Lead the Way (PLTW) national engineering curriculum where students will define a real-world problem and work through the design process to develop a solution and present it to a panel of Engineers with the ultimate goal of applying for a patent.

Procedures

1. Download the .stl file parts (The files a printer can read) onto your local computer.
2. Open up the files in your 3D-printer software.
3. Orientate the parts so the closed end is on the bed of the printer.
4. Print it off. Note: This is going to take some time for it to finish.
5. Once printed, the fabric material will fit inside the large ring.

* [Option 1] Insert a 5in diameter cardboard tube to pinch in the fabric between the large ring.

* [Option 2] Insert the small ring to hold in the fabric to the large ring, and hold the two pieces together with 4 dowel rods

6. Attach the eye-piece part to the tube, or to the dowel rods, respectively.
7. Place the telescope eye piece in the small hole in the hollow cylinder.

Note: If pieces don't fit snugly, either sand down the inside diameter of the printed part for the object to fit, or wrap tape around the outside of the diameter to prevent the pieces from sliding out.

Contact us

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