

Pyramid Hope

The Workshop

Jerry Durand
20 November 2021

Project 1

The pyramids will come in two sizes, one to sit on a shelf that is 8cm high with a base of 6cm, and a second keychain one that is half that size.

Both will come in three colors. The colors will be printed as separate layers that you will get to assemble yourself. A small tube of permanent glue will be included, parental assistance may be a good idea when working with glue.

The first video is available, the link is

<https://www.bitchute.com/video/Q2kLPS7I1UFd/>

This video is just an introduction. I have a better microphone on order, sorry for the poor sound quality.

In this video you will see the software I will use to design the pyramids, then “slice” the computer files to prepare them for printing, and finally the 3D printer that will actually make them. As the pyramids haven’t been designed yet, I show one of our Structured Water products on the computer, printing, and completed.

Software and tools used in this project:

- CAD computer is Windows 10 pro, Ryzen 7 2700U with 32GB of RAM and 1TB SSD.
- CAD software for 3D printing and other mechanical items is TurboCAD Pro Platinum.
- Slicer software to prepare the computer file for the 3D printer is Simplify 3D.
- The 3D printer is an Artillery Sidewinder X1. I will be adding auto-leveling to it but for now it’s stock out of the box.
- There is a USB 2.0 Manual Sharing Switch that allows me to access a flash drive (thumb drive) from both the computer and the 3D printer. This saves plugging and unplugging all the time.
- The plastic is PETg, Yousu brand from the 3D Pro Store in Russia.
- The computer I manage the website from is an old Ubuntu Linux system upgraded to Kubuntu 20.04.
- The website is created and edited with Blue Griffon software.
- Documents such as this one are edited with LibreOffice.