

GALACTIC



B A S I C S

## INSTRUCTIONS

3D Printed Magic Wand

## Thank You for Your Purchase!

Our collection of wands is so fun, especially the more of the wands you print! I printed the entire collection of pieces in assorted filaments and had my friends over for a Harry Potter party where the first activity was wand crafting. Everyone got to make their own custom wand to use during the night and take home as a party favor. It was a huge hit. I hope you have as much fun using this model with your friends and family!

This is also a fun learn / print / craft project to do with kids! My nieces and nephews loved putting together their own wands!

You can see more wand pictures and ideas [here](#).

For more info and inspiration on a Harry Potter Party, you can see [here](#).

## About Your Purchase

This wand is broken up into easily printable parts which are all part of our Modular Wand System (MWS). This means that you can use these parts with our other wand products to mix and match parts, creating an infinite number of unique wands.

I print my parts using PLA, Wood PLA, and Metallic Silk PLA. Most pieces are printable without supports, but you will need to use your own judgment and knowledge about your own printer to best determine your print settings.

When I print these parts I do it on my Snapmaker 2.0 and I use the following slicing settings (again use your own judgement to select your own settings based on your printer's capabilities):

Layer Height: .24 mm

Wall Thickness: .8 mm

Infill Density: 30%

Adhesion Type: Skirt usually, but the taller parts usually need a raft to keep them stable

The wand parts are designed to be slid onto a 3/16" (or 5mm) dowel (wood, plastic, metal) and then glued together with super glue. The dowel gives them much more strength and durability than they would otherwise have. I used wooden dowels from the craft store. They were super cheap and made the wands much better.

NOTE: I found that with the wooden dowels, the diameter was not always consistent, so it was sometimes a snug fit, and I would break a piece if I forced it onto the dowel. If a piece doesn't slide onto the dowel easily, then I would suggest a little sanding or try another dowel.

The tip of the wand is hollow, allowing room to insert 3/16" diameter magnets for extra fun and magic. I bought my extra strong magnets [here](#).

If you'd like to see more of our wand downloads go [here](#).