EARTH PUZZLE

PrintChallenge

VIEW IN BROWSER

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Summary

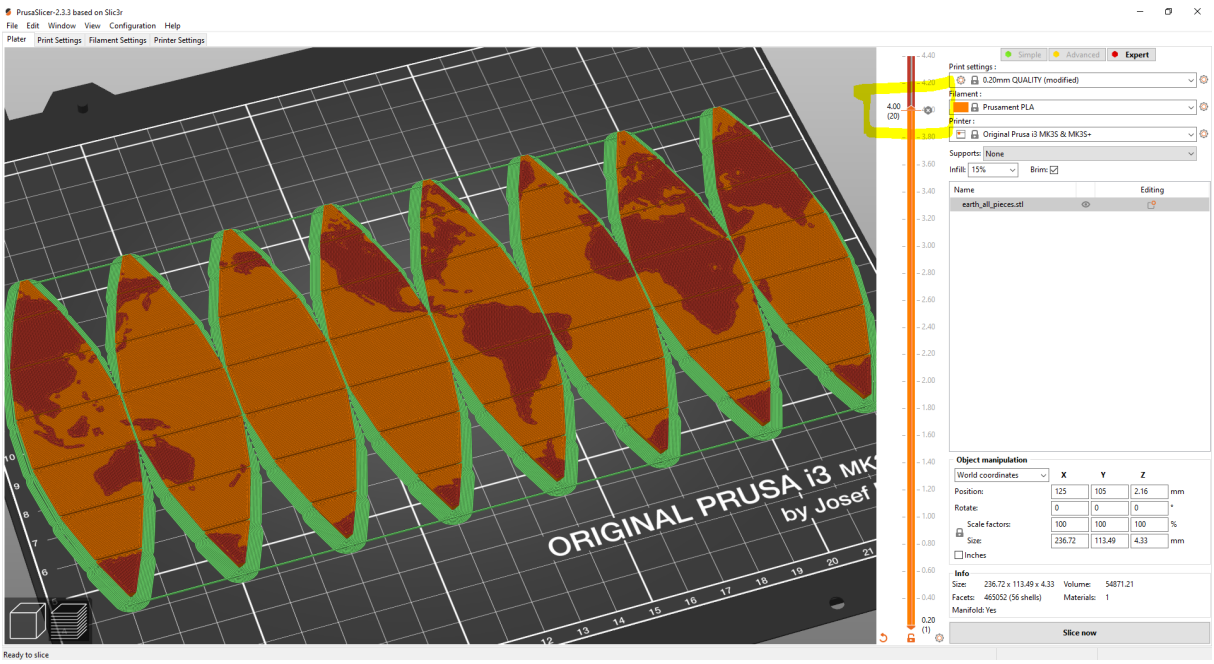
This is a multi-color puzzle of earth, using magnets to snap everything in place, and including a stand for display.

Learning > Other 3D Objects for Learning

Tags: earth flat magnets puzzle 2 0

This is a multi color model of earth which can be printed on a single extrusion printer.

The earth pieces are printed flat and a color change is needed starting at layer 20. You can do this by pressing the + icon on the sidebar at layer 20. Needless to say you will need to be present when the printer reaches this layer to switch the fillament manually.



I use a brim to make sure the smallest pieces stay on the buildplate.

If you want to use the magnets you will need to order 56x a 5x2mm magnet. Something like these: Amazon link to magnets

For the core I used M3 nuts. make sure they are made of steel (and not stainless steel). For example: Amazon link to nuts

(I personally did not buy from amazon)

I glued in most of the nuts and magnets. The direction of the polarity of the magnets is not important. I decided not to try and achieve a press fitm, because some printers would probably print the holes too tight.

For other instructions please see this video. It's pretty self explanatory...

Youtube Short Video

Edit 07/05/2023: added a stronger stand (stand_v2)

/Print Challenge/

Model files

core.stl

earth_pieces_part1.stl

earth_pieces_part2.stl

earth_all_pieces.stl

stand.stl

stand_v2.stl

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