



Minecraft Guardian



3DBlacksmith

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Summary

Fully functional Minecraft Guardian Toy

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[compliant](#)

This is a functional Minecraft guardian. It uses compliant springs to make the spikes extend and retract, and uses hinge joints to allow the tail to bend. Different parts of the model might need sanding, but it shouldn't be too complicated to assemble.

Printing:

Print 1 head, 12 spikes, 1 tail, and both eye pieces.

The infill and filament type don't matter too much, but make sure to add supports to the overhangs on the head except for the spike holes.

Assembly:

The tail is designed to fit tightly in the hole on the bottom of the head.

The spikes are glued to the bottom of the small holes in the head. Sanding may be required in order for the spikes to slide smoothly. **Note:** Do not squish the springs until they are in the head or they will break.

The white part of the eye should fit in the rectangle hole for the eye, and then the red pupil should fit in the remaining space. Use glue if necessary.

Enjoy!

This remix is based on



FreeCAD Parametric Springs !

by Designed By Sheltie

Model files



guardian-head.stl



guardian-tail.stl



spike.stl



white-eyepiece.stl



red-pupil.stl

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