



Blokus puzzle game



michal.tulach

[VIEW IN BROWSER](#)

updated 6. 4. 2024 | published 6. 4. 2024

Summary

A puzzle game called Blokus completely remodelled, edited and optimised for 3D printing all parts.

[Toys & Games](#) > [Board Games](#)

Tags: [puzzle](#) [game](#) [replacement](#) [replacementpart](#) [blokus](#)

The original game was invented and mass produced by Mattel Games. I was unable to find the original to buy myself so I remodelled it from a few pieces I had. It might be a bit more expensive than buying it from a store but it is cooler to 3D print it.

The rules are simple:

There are four players and each has 22 block pieces of the same colour. Players they take turns placing them on the game board. Each block must touch another block of the same colour but they can only connect at their corners. The aim of the game is to strategically place as many pieces on the board as possible. The game ends when no more pieces can be placed on the board and the player with the fewest remaining pieces wins.

How to 3D print:

At first print every out of 4 parts of Blokus_base 3D model. I used a white colour because the original is also white. Then you have to assemble it

using an inbuilt puzzle joints. I used hammer to carefully joint all parts because it was quite tight. Then you have to print all 22 parts of Blokus_pieces 3D model in 4 colours each. You should end up with total 88 pieces. I choose blue, orange, green and turquoise. It might be quite difficult to post process all pieces because there is a lot of overhangs. I recommend using little supports to make overhangs look better but printing and post processing will take more time.

I have not tested the compatibility with original game but it should be compatible since I used almost the same dimensions. You might also use it as a replacement for lost pieces of the original game. As I said I am not the original creator of the game, I just remodelled it and optimised it for 3D printing.

Model files

 3D models		2 files
 blokus_base-v2.3mf		
blokus_pieces-v5.3mf		

 Fusion 360 projects		2 files
blokus_base-v2.f3d		
blokus_pieces-v5.f3d		

License

This work is licensed under a
Creative Commons (4.0 International License)



Attribution—Noncommercial—Share Alike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition