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**Project:** Square Puzzle

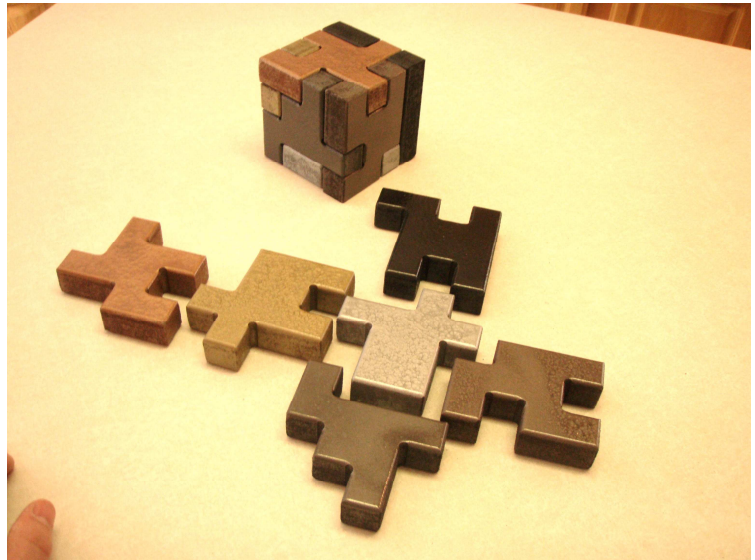
**Overview:** Six individual pieces can go together many ways, but they all have to go one certain way to complete the square puzzle. This brain teaser is a great problem solving puzzle and keeps individuals entertained for hours.

**Materials:** 1" thick wood, plastic, etc...

**Minimum Cutting Area:** 8" x 34"

**Bit Size:** 1/4"

**Finishing:** The puzzle is equally as challenging left unfinished; however, adding one color per piece really adds a nice touch to the look and feel of this project.



*\*\*Always read the entire project details before starting to cut the file yourself\*\**

*\*\*Account for the thickness of the physical material on hand and the material thickness in the file\*\**

*\*\*This file is zeroed to the tables surface, Zero your bit to the tables surface\*\**



Included with the cut file is a hold down toolpath that shows where it is safe to put screws. Run this file separately from the cut file so you can screw down the work piece, or if you have a different size board or different type of hold down disregard the file.



As the file starts cutting the profile of the parts make sure the cut is going all the way through the work piece and into the table surface. If you need to adjust any part of the file make sure you do not remove the hold down or you will loose position.



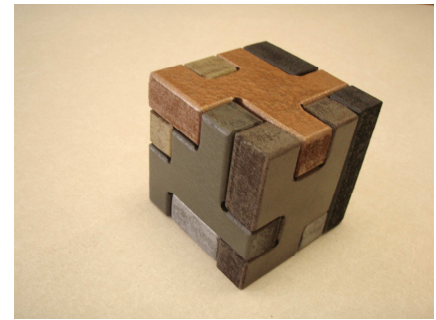
Tabs are use to hold all the pieces to the scrap wood attached to them. Use a utility knife to score these edges. Never try to push a piece out without cutting the tab, it will tear the grain on your project. Sand remaining tab flat.



All of the pieces need to be sanded thoroughly. These will be handled by many hands and a sharp corner or splinter will really take the fun out of this puzzle.



For this example six different spray paints were used to distinguish the different pieces. Three separate puzzles were being finished in the picture above, why not cut several projects to give to friends!



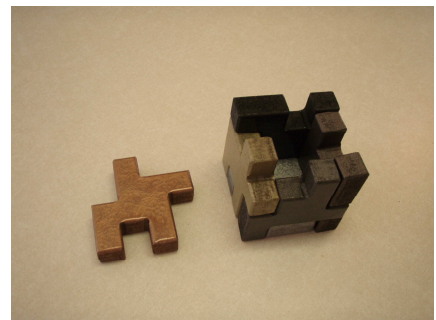
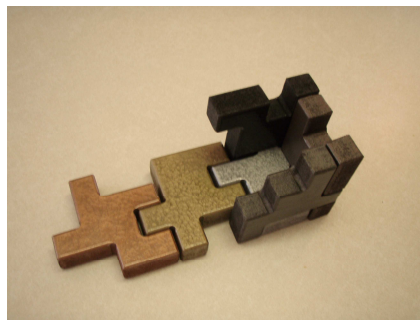
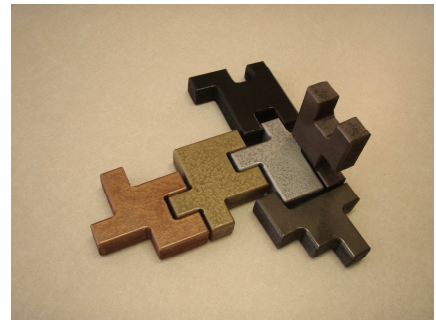
The puzzle is a 4" cube when fully assembled. There is only one correct way to assemble it, though there are several options that get one very close, but not complete!!



A good way to leave the puzzle pieces out on a coffee table are scattered about, this intrigues people and they just have to give it a try for themselves.



This picture is the key and solution to the puzzle. Follow the next four steps and a cube will be created.



Finally flip the last piece over and nestle it into the top location.