

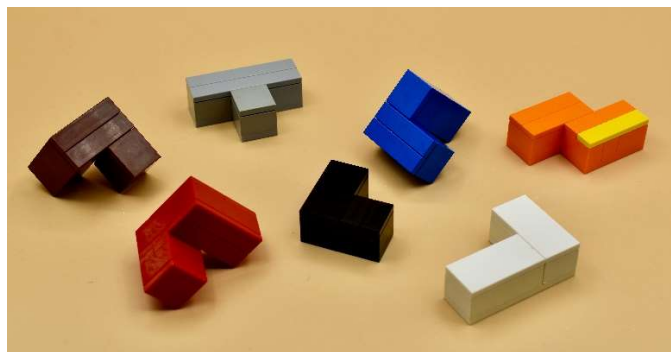
Engineering: LEGO Puzzle Cube

Ages: 7 - 13

Hello everyone. This is Bill from the Okanagan Regional Library System. Welcome to the fun and inventive world of making STEAM projects in your own home. Each month, I will share a fun and interesting project that you can make using materials commonly found in your own home.

This month's project: Lego Puzzle Cube

Puzzle Cube



This cool cube is actually made up of seven different brick-built shapes. They slot together to make one puzzle. Build each shape and then challenge your friends to solve this baffling brainteaser.

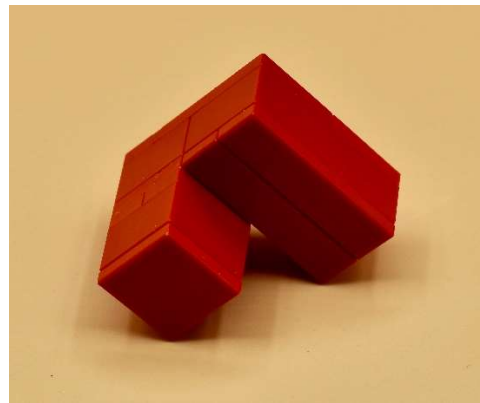
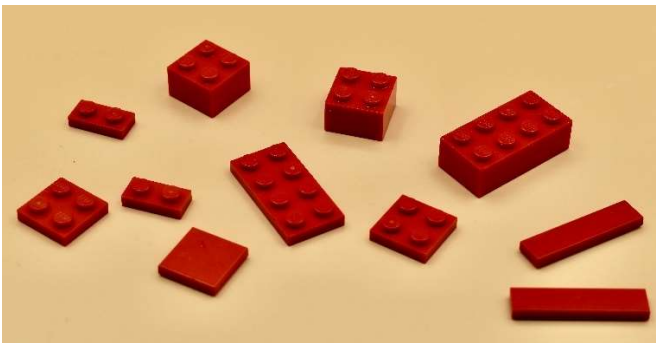
How to Build:

1. Build your shapes using plates, bricks and tiles.
2. Plates help to add a little bit of height to the shape.
3. Finish the shape by covering it with tiles. By covering the shapes with tiles, the shapes will stick together without getting stuck.
4. Repeat the process for all seven shapes.

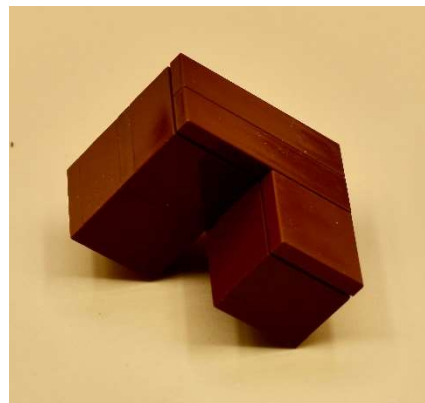
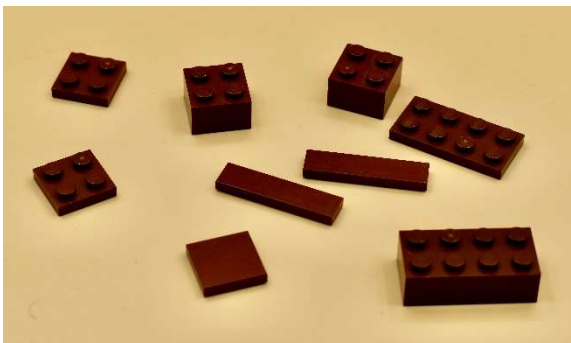
Time: 30 minutes to 1 hour

Steps:

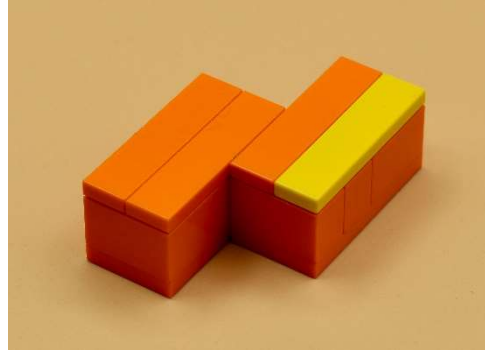
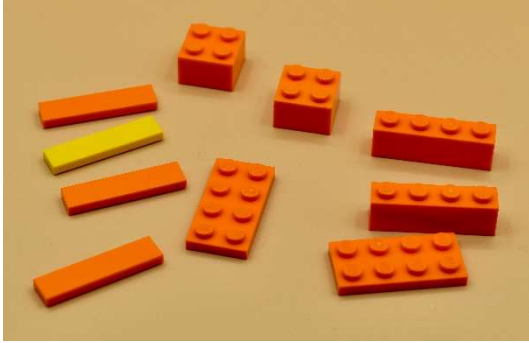
1. Shape 1:



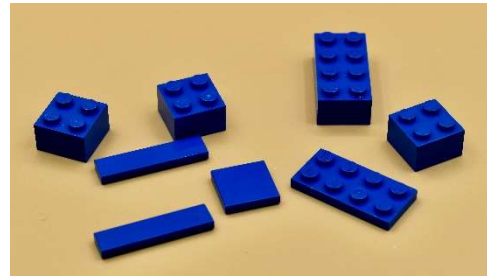
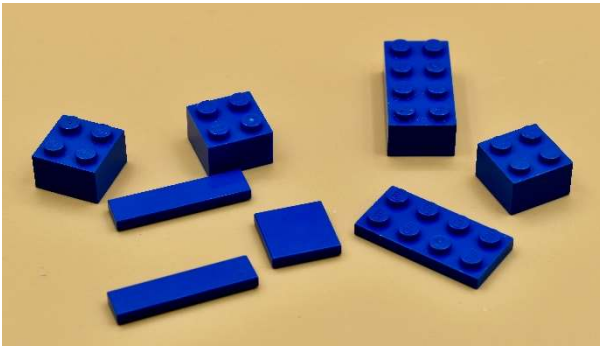
2. Shape 2:



6. Shape 6:



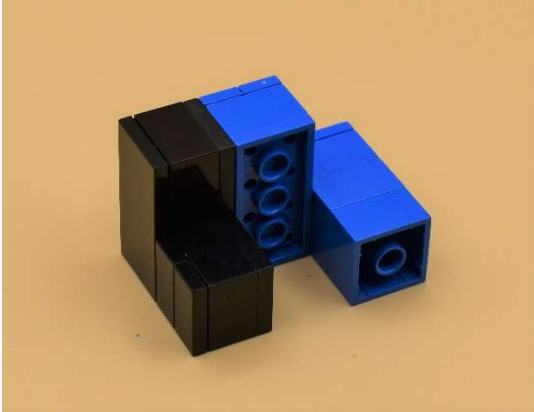
7. Shape 7:



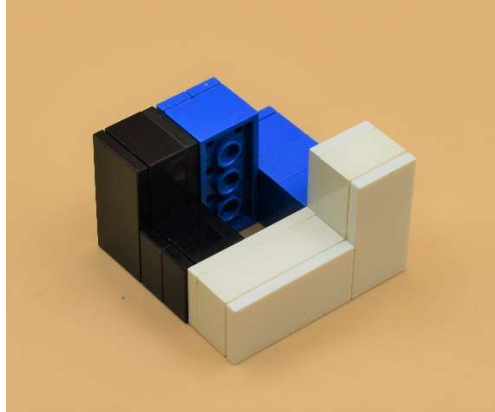
Solve It!

If you are stumped, follow these steps to put the puzzle cube together.

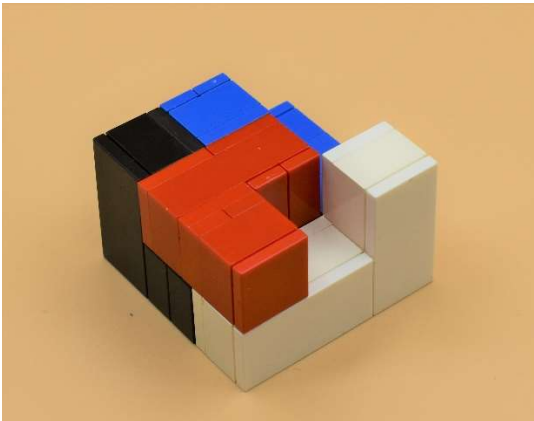
Step 1:



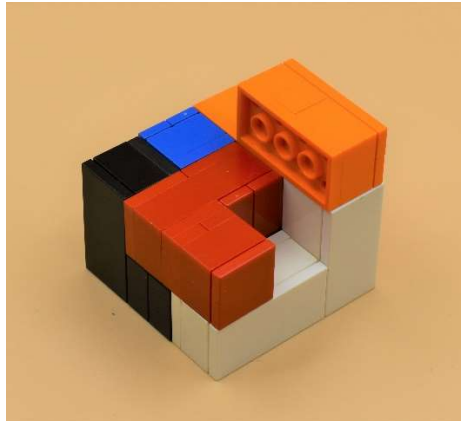
Step:2



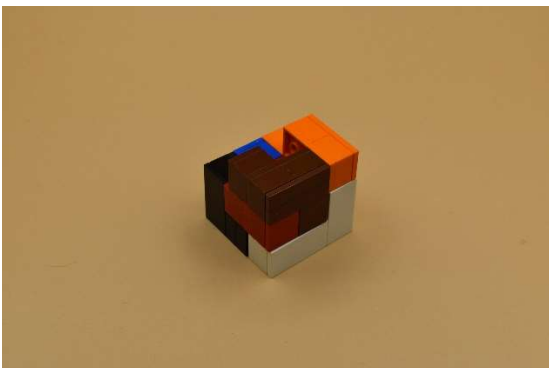
Step 3:



Step 4:



Step 5:



Step 6:

