

Make a Rubik's Cube Out of Dice



This weekend my friend Action Girl, who is a huge Rubik's Cube fan, asked if we could make Rubik's Cubes out of dice... and so we did! If you've got requests for Weekend Project videos, drop me a line at brepettis@gmail.com and your idea might end up on the Make: Video Podcast!

We made a jig to make sure we drilled all the dice in the exact middle every time. Then we drilled the dice, used epoxy to glue them in and then put them together!



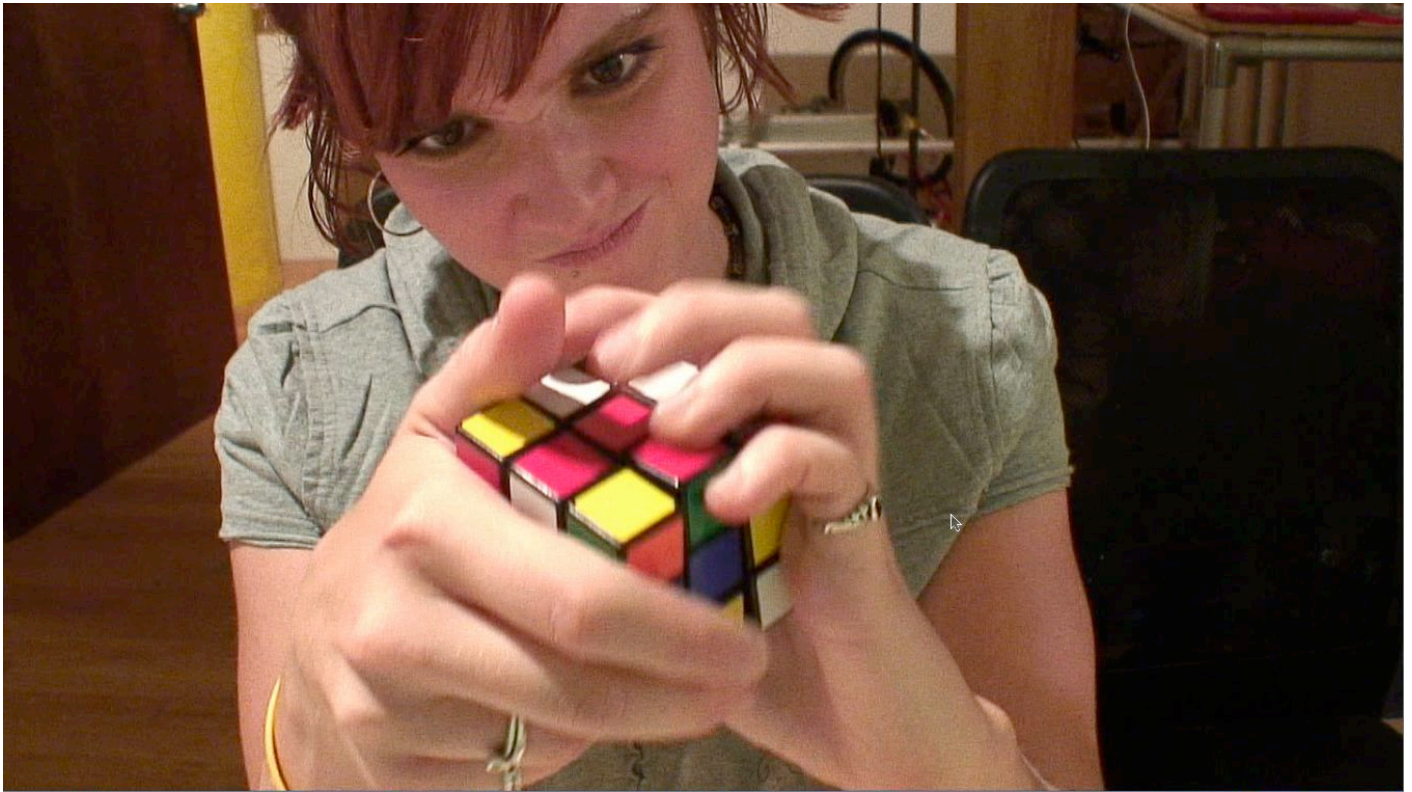
We found inspiration in gfixler's and burzvingion's instructables and you should really go check them out see the awesomeness of their cubes and the guidance they provide in their instructables!

<http://www.instructables.com/id/EPR5CLQ0CSEP287389/?ALLSTEPS>

<http://www.instructables.com/id/E8WVOU65CCETOMLJQD/?ALLSTEPS>



We did a few things a little bit differently than these guys. We made our jig out of wood instead of aluminum or a square and that worked great. We had a rough time with epoxying and wish we had used gloves, but we did find a good way of putting the corners together. The thing about the corners is that all the magnets have to have the same polarity facing in. We found that if we did one of the magnets first and then let it dry, we could get the other two to keep from popping out by putting a bigger magnet on the bottom.



Sandra isn't a speed-cuber, so how did she solve the Rubik's Cube in 38 seconds at the end of the video? Magic! We actually shot a video of her messing it up and then we reversed it. This is similar to what Michelle Gondry did with his feet in this video!

<http://youtube.com/watch?v=E-eZEDkFYFA>

Once you've made your own cube, make sure to upload pictures of it to the make flickr pool at <http://flickr.com/groups/make/pool>.