OK Google, turn on the LED Cube

Hey Google, set the cube to Red

Hey Google, set the cube to Yellow

Hey Google, show me a rainbow

**Static Rainbow**

* Slow music
* Closeups of static rainbow -- hide scale

**Intro**

* *Hi guys!  Sorry it took me so long to show off the completed Giant LED Cube.  
  [Zooms out to show scale - with me in frame.]*
* Thank you for all your comments while I was building this.  It was a TON of work, but it was also a TON of fun!
* Let's summarize some stats:
  + It's an 8 by 8 by 8 LED Cube.  [Animate each axis]
  + Each side is one meter long (a little over 3 foot in each direction). [Hand Gestures]
  + So, that's 8x8 per layer for a total of 64 per layer [Animate]
  + Times 8 for a total of 512 pixels. [Animate]

**Folding Planes**

Since we could independently control every pixel, we could draw anything on this 3D canvas.

Squares, Triangles, Circles, even Text.

**Spinning planes**

By quickly drawing different shapes quickly in succession, we could create animations.

**"Tetris"**

We're not limited to lines, we can draw solids as well.

**==> Pixel Closeup**

* Each pixel is a ping pong ball. [blink]
* Underneath each ping pong ball is a NeoPixel LED, so each pixel could be INDEPENDENTLY set to any color. [Closeup revealing neopixel under the balll]

**UV Meter**

**"Believer"**

We're not limited to repeating patterns either. Here’s some patterns I specifically choreographed to music.

**"Wave"**

As I mentioned, what we have here is a 3D canvas. If you’re interested, the code to drive this cube is linked on Github.  So, don’t be shy and submit a pull request if you write cool new effects for the cube!

If you haven’t been following the build of this project, check out the playlist in the YouTube description where I start with buying 600 ping pong balls from China.

This project took months with lots of interesting twist and turns, so I could talk forever about it, but I’ll let you watch the build playlist if you’re interested.  Link is in the YouTube description.

We’ll I’m going to play some more so I have more to share with you guys!

Thanks for watching, thanks for the subscribes, thanks for the comments!