

Turn a Kaleidoscope into a “Disgustoscope”



This is how to do it in a few seconds:

1. The kaleidoscope tube has two ends: The cardboard **eyepiece end** and the **plastic holder end**.
2. Push the plastic holder (that holds the colourful objects) slightly into the cardboard tube, tilt & grab it and pull it from the tube. You will have to squeeze the tube so the plastic holder can be pulled out past the rims on the end of the tube.



3. Now place the open end of the tube on a clenched fist or sweaty skin. You may want to rest one side of the tube on the skin and lift the other so light may pass through. It is best to do this where there is ample light / sunlight. Slowly rotate the tube and view the revolting image of moving hairy flesh!
4. Other things to do: See what happens when someone peeks through the open tube or place their nose into the open end. Place it on a dog's ear, cat's paw, and gently roll the tube, etc.

Students will soon find more disgusting view points for the 'Disgustoscope'.

This idea was sparked by a web article, titled "Disgustoscope" by William J Beaty that you will find [here](http://amasci.com/amateur/dscope.html). (<http://amasci.com/amateur/dscope.html>)

You may also want to view his video on You Tube. Simply search for 'Disgustoscope'.

The scope discussed in his article is made from mirrored plastic sheet or mirror off-cuts and produces 'radial symmetry' or a very amusing spherical geodesic dome image. Try it - you'll love it!