

FAMILY FUN

Thursday, Thursday 27, 2020

Optical Illusions, Thaumatrope & Tangrams

Optical Illusions

Check out the optical illusions that were shared in the video and more!

Source: <https://www.optics4kids.org/illusions>

Thaumatrope

A thaumatrope is an optical toy that was popular in the 19th century. A disk with a picture on each side is attached to two pieces of string. When the strings are twirled quickly between the fingers the two pictures appear to blend into one due to the persistence of vision.

ITEMS NEEDED

- Card Stock
- Scissors
- Pencils
- Markers
- Stapler or tape

Steps

1. Trace and cut out two identical circles.
2. Draw two images which “go together.” (You can find templates out there, but it is much more satisfying to draw your own!)
3. Attach the circles together and to the pencil.
4. Hold the pencil between two palms and spin!!!

Source: <https://craftulate.com/thaumatrope-for-kids-to-make/>

Tangrams

You will make a tangram puzzle. Each tangram puzzle has seven pieces, also called tans, cut from one large square – two large triangles, one medium-sized triangle, two small triangles, one square, and one parallelogram.

ITEMS NEEDED

- Paper or Cardstock
- Scissors

Steps

1. Choose a pattern and print it. (See link below)
2. Stiffen Paper by attaching to cardboard. (optional)
3. Cut along the lines.
4. Play!

Source: <https://www.auntannie.com/Geometric/Tangrams/>

