

Spectograph

Items Needed:

Cardboard tube, paper towel sized or larger
Scrap paper
Scissors
Pencil
Craft knife
Tape
CD

Instructions:

- Cut across the corner of a piece of scrap paper approximated three inches from the corner on each side
- Place paper around the bottom of the cardboard tube with the point towards the top
- Use pencil to mark around the corner on the cardboard on two sides of the triangle
- Use craft knife to cut along the mark
- Slide CD in periodically to make sure the cut is just enough to slide CD in halfway
- On the opposite side of the tube cut a square out even with the bottom of the CD
- Standing the tube on the scrap paper, draw a circle slightly larger than the circumference of the tube
- Cut out the circle then cut a thin rectangle into the center of the paper
- Secure paper to the end opposite of CD with tape
- Point paper wrapped end of the tube at a light source and look in at the CD
- Marvel at the different rainbows as you look at different light sources!