

## CONSTRUCTING AN INEXPENSIVE PERISCOPE

### Materials for one periscope:

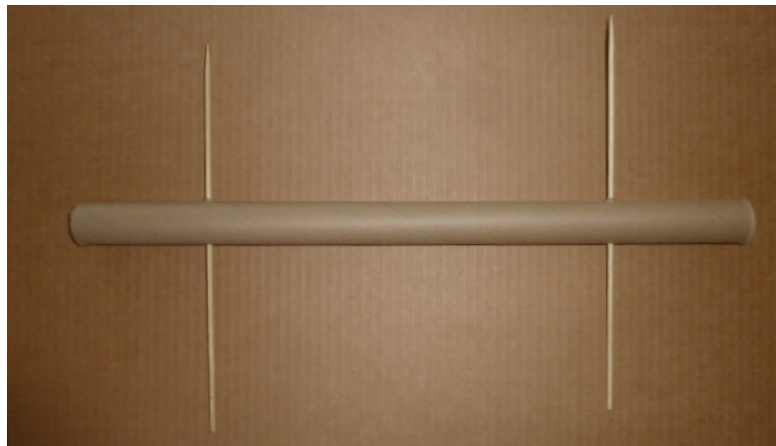
- 1 cardboard wrapping paper tube, width about 1 ½"
- 2 wooden skewers (for shish kabobs), found at most grocery stores
- 2 glass mirrors approximately 3" x 4"; if glass is not available the mirrors need to be inflexible and not warped or the viewing in the periscope is poor
- 2 rubber bands
- duct tape

### Construction:

1. Cut a wrapping paper tube to 20" in length.
2. Make a mark 3" down from each end. Make sure the marks are equidistant from both edges of the tube.



3. Using an ice pick or hole punch, push through the hole to the other side. Use caution to be sure you are pushing through along the diameter of the tube and to 4" on the other side of the tube. The skewer needs to be as completely perpendicular to the tube as possible when inserted. Insert the skewers.



4. Double up a rubber band and use it to secure the skewer to the cardboard tube. Repeat for both skewers.



5. Using duct tape, tape the mirrors to the skewers. Be sure the mirrors are perpendicular to the tube for best viewing.

