Grating Spectrometer - ziad.ganim@yale.edu

1. Print this out and use it to cut the 3 spectrometer pieces out of heavy cardboard.
   - Cut along the heavy lines: 
   - Score along dashed lines: 
   (Make sure the slit is made out of white cardboard. The other parts can be any color.)

\[ \text{Body} \]

\[ \text{Entrance slit} \]

\[ \text{Viewport} \]
2. Fold the body into a rectangular box

3. Tape a square of diffraction grating sheet across the aperture (hole) in the viewport

4. Cut a slit for light to enter the spectrometer

5. Tape the spectrometer body together with the viewport and slit on the ends. Make sure the slit is directly across from the viewport.

6. Look at a light source through the viewport and through the slit. View its spectrum to the right of the slit.