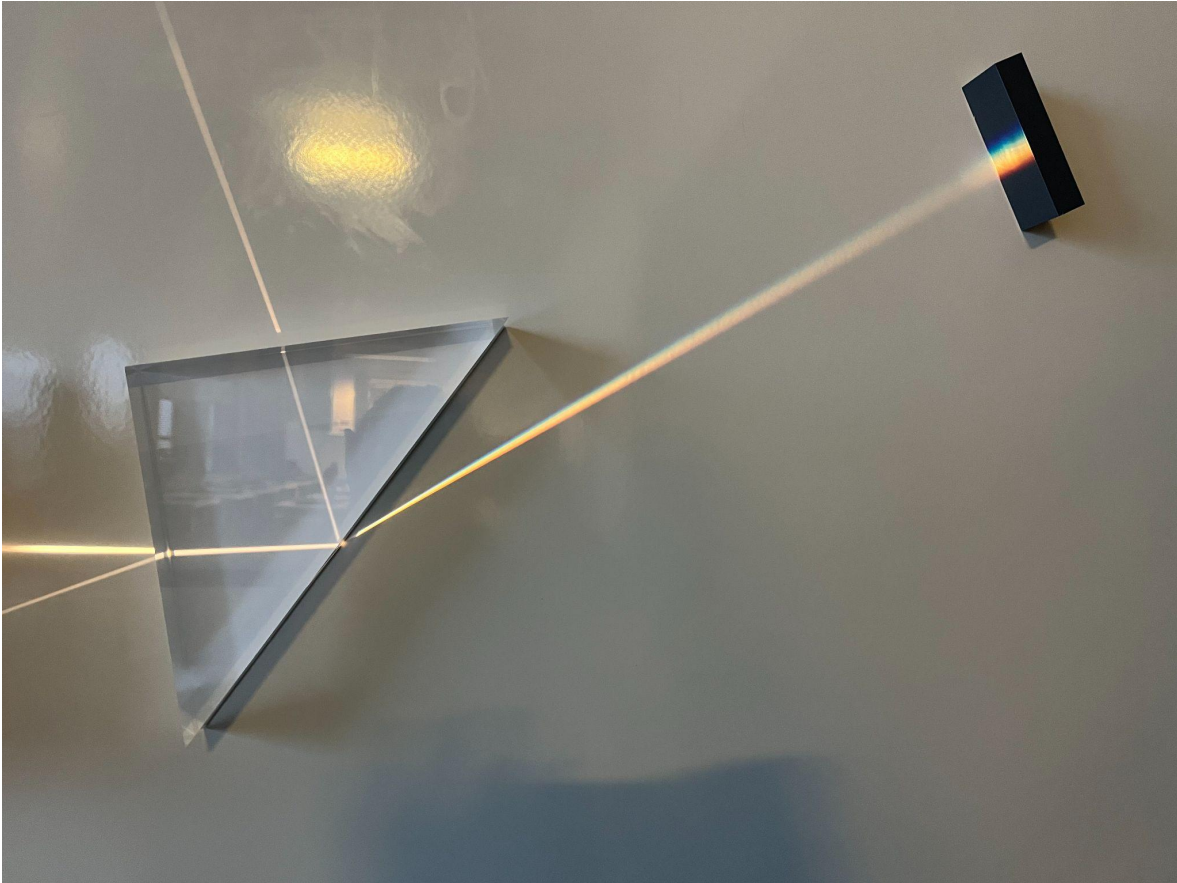


6A42.53 - Blackboard Optics - Prism

Key words: triangle, prism, optics, whiteboard, blackboard, light, medium, rainbow, refraction



Equipment List:

1. Whiteboard
2. Blackboard optics set
3. Glass triangle from the set
4. Rectangular shade from the set

How to assemble and operate:

- Connect the blackboard optics set to power supply to up to 12V DC, make sure it never goes above 12V
- Point a light ray into the triangle in a position where the light that exits the glass triangle creates a rainbow. One can put the shade block after the leaving light ray to better display the rainbow

Description/Theory:

This demonstration uses triangle and light to show how light consists of all the colors.

Comments/Notes: It is very important to never go above 12 VDC in this demonstration, as the lightbulb cannot handle more.