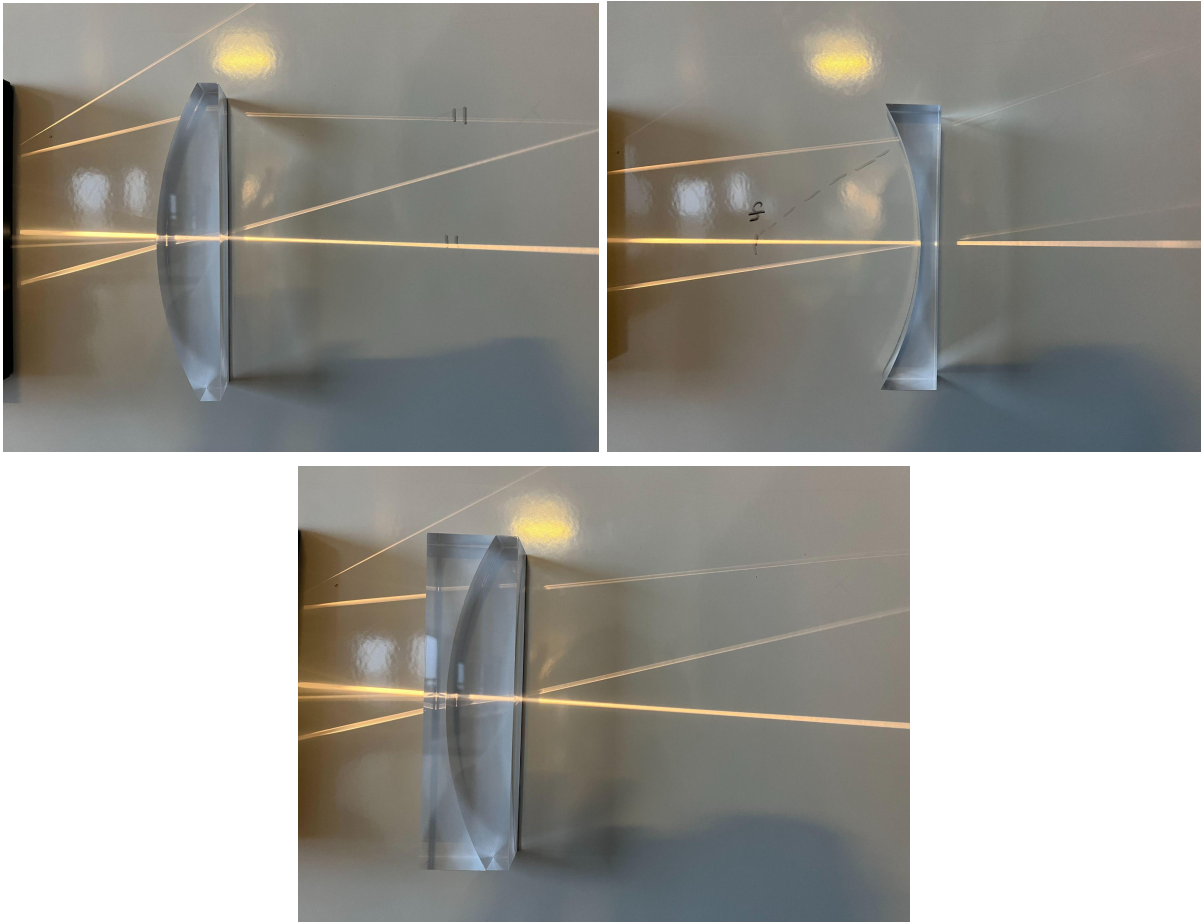


## 6A60.10 - Thin Lenses - Blackboard Optics

Key words: lenses, convex lens, concave lens, optics, whiteboard, blackboard, light



### Equipment List:

1. Whiteboard
2. Blackboard optics set
3. Convex and concave lens 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 rays onto the convex or concave lens and observe how they bend depending on which part of the lens they hit
- Try putting both of the lenses together and then shining the light rays on them and explain the result

### Description/Theory:

With this demonstration we can show the behavior of convex and concave lenses in optics

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