Set movable cart with projection lantern in aisle in front of lecture table, and project image on front screen. Detach rear end of bellows from lantern (if bellows is in place), and set bar desired just in front of slide holder.

Wobbly Bar: Place wobbly bar (mounted on yellow base) in lantern, as close to the slide holder as possible, and focus image of magnets on screen. Show that, although the upper magnet lies as close as possible to the lower magnet when in one longitudinal orientation (attracting), reversal of the orientation causes the upper magnet to be suspended above the lower magnet (repelling). (See Note 1.)

Mystery Bar: Replace the wobbly bar with the mystery bar (mounted on white base). Show that the upper magnet is suspended above the lower magnet, repelling, regardless of the longitudinal orientation of the upper magnet. (See Note 2.)

Notes: (1) The upper magnet of the wobbly bar should always be stored in the attracting position. It can be removed from its restraining slots by lowering one end as much as possible and lifting the other end. (2) The two magnets of the mystery bar set have the same kind of pole at each of the four ends. Each has an opposite pole at the center.