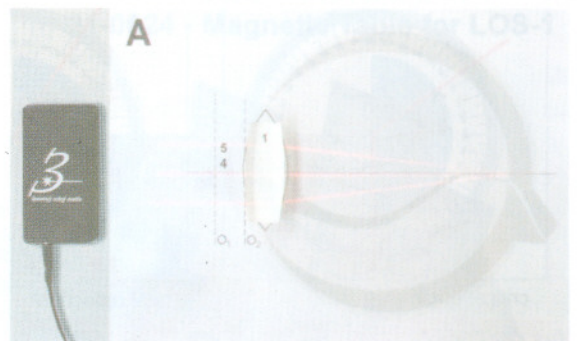
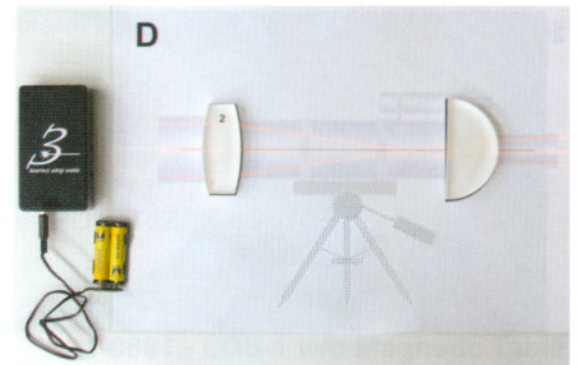
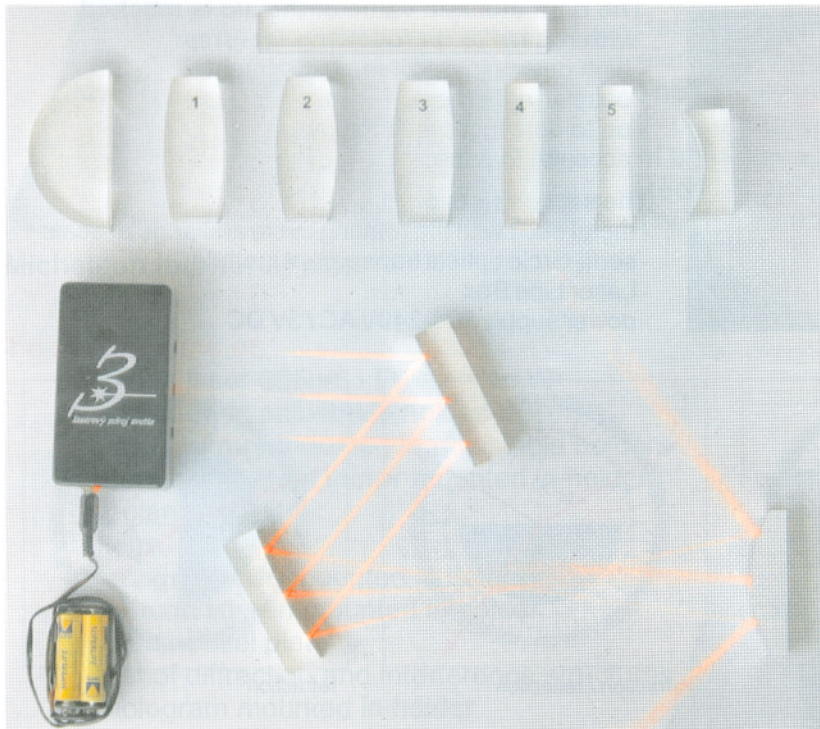


Ray Optics - Students Set

Excellent and essential set for practical exercises. This set enables students to understand basic ray optics principles - transmission, reflection, refraction. Students can construct simple optical devices using worksheets – e.g. worksheet “human eye” helps to understand why some of them have to wear glasses. The set has been designed to be table-used. All elements are non-magnetic. Includes manual with experiments. Set is packed in cartonplastic case.



Ray Optics - Students Set contains:

Optical models (11pcs) - 8 various lenses, 3 types of mirrors, model of optical fiber

3-beams Laser Ray Box Electronic - non-magnetic, including external battery box

Working sheets (5pcs) for very simple and quick preparation of exercises. Each exercise is done quickly if the desired objects are located on assigned positions on the sheet.

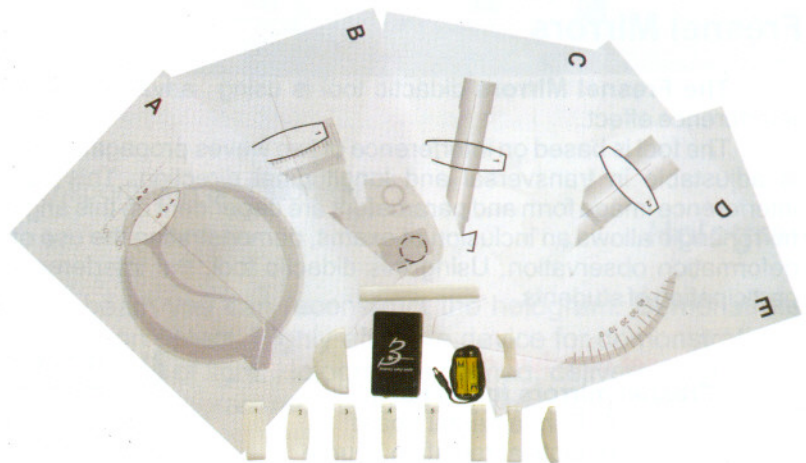
A - model of the human eye

B - photo camera

C - Galileo telescope

D - Kepler telescope

E - refraction and reflection demonstration sheet



21-0421 Ray Optics - Students Set

This set allows very clearly understanding of the following optical effects:

transmission of the light through the convex (concave) lens, transmission effect of an optical prism, reflection on the planar (convex, concave) mirror, refraction of the light, index of refraction values and others.

The set up also demonstrates the function of healthy, short-sighted and far-sighted vision and the correction of these aberrations by glasses. Furthermore the set up demonstrates the function of both Galileo and Kepler telescopes, as well as photo camera, etc. The demonstration of absolute reflection in the optical fiber are interesting and easy to demonstrate as well.