

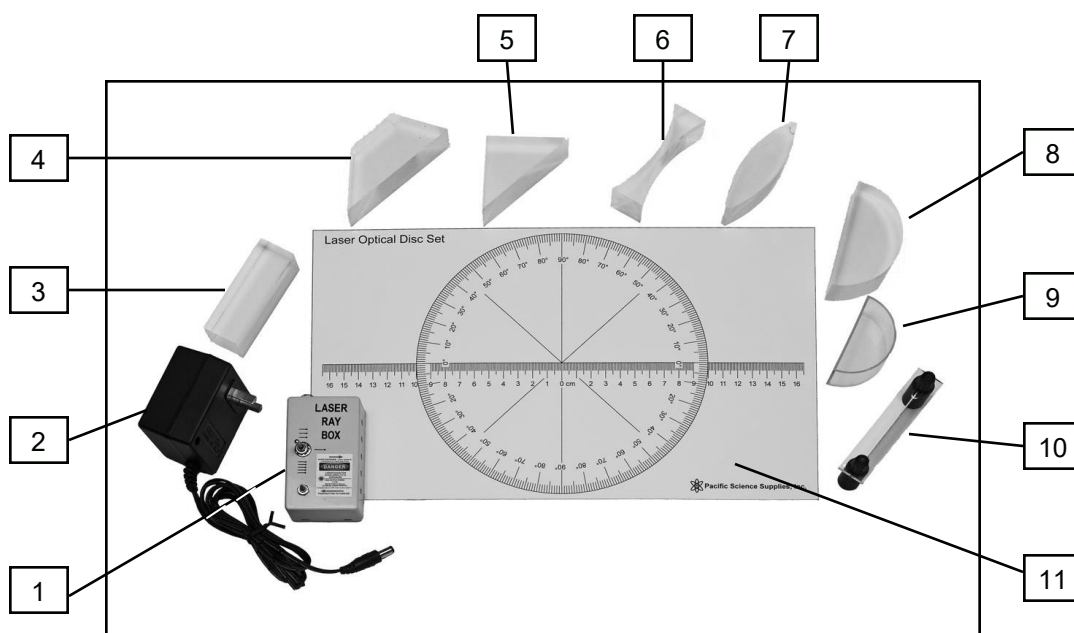


**UNITED SCIENTIFIC SUPPLIES, INC.**

**OPERATING INSTRUCTIONS AND ACTIVITY GUIDE**

## **LASER OPTICAL DISK SET**

LODS01



*Figure 1*

### **DESCRIPTION**

The laser Optical Disk Set includes a Laser Ray Box powered by a low voltage wall-mount power supply, a set of eight ray optics elements (three lenses, two prisms, a block, a hollow cell and an adjustable mirror), and a heavy duty vinyl template with a ruler scale and a large protractor printed on it for easy measurements. The Laser Ray Box includes five parallel-mounted low power red diode lasers and a built-in cylindrical lens to fan out the laser beam for ray optics work. A selection switch allows one, three, or five beams to be used, and a momentary switch turns the lasers on only when held down, for safer operation. A storage case and operating instructions are also included.

### **IDENTIFICATION OF COMPONENTS**

- |                                    |  |
|------------------------------------|--|
| 1. Laser Ray Box (1, 3, or 5 rays) | 7. Biconcave Lens                            |
| 2. Wall-mount Power Supply         | 8. Semicircular Lens (solid)                 |
| 3. Parallel-sided Block            | 9. Semicircular Cell                         |
| 4. Trapezoidal Prism               | 10. Adjustable Mirror (plane/concave/convex) |
| 5. Right Angle Prism               | 11. Template (ruler/protractor)              |
| 6. Biconcave Lens                  | 12. Operating Instructions (not shown)       |