

## Optics & Refraction Kit



**MODEL** - AK PHY051

**MAKE** - AK LABS

The Optics & Refraction Kit is an educational physics kit designed to study the behavior of light through reflection and refraction experiments. It helps students understand optical principles, image formation, and refractive properties using practical laboratory activities.

### KIT SPECIFICATION

|                |                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Kit Name       | Optics & Refraction Kit                                                                                                             |
| Subject        | Physics                                                                                                                             |
| Learning Areas | Optics, Reflection, Refraction, Snell's Law, Lenses, Prisms, Image Formation                                                        |
| Components     | Optical Bench, Convex Lens, Concave Lens, Glass Prism, Plane Mirror, Ray Box or Light Source, Optical Pins, Screen, Measuring Scale |
| Material       | Laboratory Grade Optical Components and Durable Physics Laboratory Equipment                                                        |
| Application    | Physics Practicals, Optics Experiments and STEM Education                                                                           |
| Suitable For   | Schools, Colleges, Physics Laboratories, Universities and Educational Institutions                                                  |

### KIT DETAILS

The **Optics & Refraction Kit** provides all essential laboratory equipment required to perform experiments on reflection, refraction, lenses, prisms, and optical image formation. Students investigate light rays, refractive index, Snell's law, focal length, and optical

phenomena through hands-on practical learning. The kit strengthens conceptual understanding and experimental skills. Ideal for schools, colleges, physics laboratories, and STEM-based learning environments.