

Activity 5 A

Low-Tech Reflection and Mirror Symmetry



FOR YOU TO DO

1. **Low-Tech Reflection:** You can do the Angle of Incidence/Angle of Reflection experiment with a flashlight. The results are less accurate, of course, than they would be with a laser beam, but students will still get the idea. You might give the students string and have them stretch it along the normal, from the flashlight to the mirror, and from the mirror to the reflection. Then they can measure the angles between the strings.
2. **Mirror Symmetry:** Give each group a simple design. Have them make a drawing to predict how the reflection of the design will look. Then they hold the design up to a mirror to observe the reflection. Arrows on the design point to the location where the mirror will be. When the students have made and discussed their predictions, give them the mirrors.

