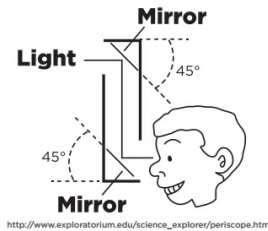


How do submarine captains see what is happening on the surface of the water from under it? How does the driver of a car see around a corner of a building onto a busy street? How does a car mechanic see under a car without getting on the ground? Mirrors! When placed in a certain way, mirrors can allow us to see, over, under and around objects.



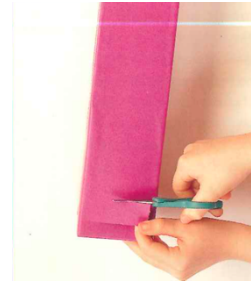
Mirrors reflect **light** different from other objects. When light hits a mirror it bounces off it in exactly the same pattern it arrived. We call that image a reflection. When we look in a mirror we see what is in front of it. When you line up two mirrors at specific angles from each other you can see things that are not directly in front of the first mirror.



You can make your own periscope. You will need:

- A long thin box
- Two small hand mirrors
- A triangle
- A pen
- Tape and scissors

Make a rectangular hole near the end of one side of the box. Make a second hole on the opposite end, on the opposite side of the box.



Use the triangle to draw a 45 degree line near each of the viewing holes. Cut a slit at the line.



Slide the mirrors into the slits so you can see them through the viewing holes. Tape the mirrors in place.

