1. Make a maze out of the cardboard pieces or use books to make the walls. The maze needs to have a way in but not a way out. Fold a piece of paper so it can stand. Put the flashlight at one point in the maze, and the folded paper at another (so the flashlight beam can’t reach the paper).
2. Use the mirrors to reflect the light beam so that it does hit the paper. When you have this working, show a teacher. Draw your maze, where you put the flashlight, and where (and how) you put the mirrors. Draw how the light beam goes through the maze.
3. When a light beam hits a mirror, it bounces off in a special way. In the picture we see a light beam hitting a mirror. Draw how the light would bounce off. Draw a person where they would be able to see the beam of light.
4. When you look into a mirror, you see what is in front of it, looking as though it were behind it. Write on your paper the number of mirrors you used. Put the target back in the maze, shine a flashlight on it, and look into the maze from the point you put your flashlight. Can you see the paper? How far away does it seem? Draw what you see.

5. Go back to step 3. Try to draw where the light would seem to be coming from to the person you put there.