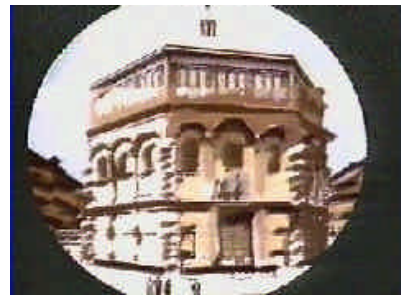


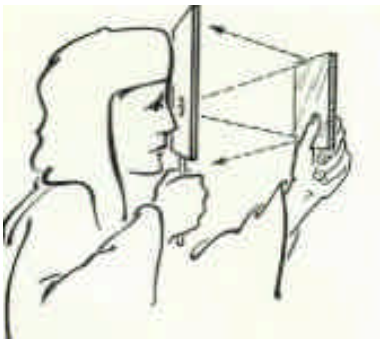
## Brunelleschi's Exploration of Linear Perspective



Filippo Brunelleschi (1377-1446) used a clever technique to paint a picture of an hexagonal-shaped building in Florence named the Baptistery so that he could study the picture. He wanted what today we would produce with a camera by



taking a picture of something: an exact replica that could fool your eye, so that he could draw lines on it to see where parallel lines met at a vanishing point. To make sure that his picture was exact, he drilled a hole in the back of the picture, and then stood in front of the Baptistery and looked through the hole to see the building (his painted picture faced away from him). He then held up a second mirror in front of his face to reflect the image of his picture and his eye looking through it. In this way Brunelleschi could compare his



picture with the actual build to make sure all parts of his picture matched all parts of the actual building.