



© Michael Kappel, Creative Commons License.

## Diseases and Disorders

You will be researching one of the following visual impairments:

- myopia
- hyperopia
- glaucoma
- cataract
- detached retina
- astigmatism
- macular degeneration
- another impairment you are interested in (approved by your teacher)

## Group **Members**

Role	Student
patient	
doctor	

## Contact Information

©2011 Robert Prior



## Impaired **Vision**

Experience and Treatment



© Rakesh Ahuja, MD, Creative Commons License.



# Eyes are the window of the soul

Most of the people in the world have some degree of imperfect vision. Some problems are relatively simple and inexpensive to treat, while others are more complicated or costly, and some can unfortunately not be treated at all. In this assignment your group will look at one type of visual impairment. Each member in the group will have a different role, but you will have to work together to complete the assignment.

One member will be the **patient**. Your job will be to convey *what it is like* to have that visual impairment. How you do this is up to you: you could build a simulator, make a poster, create a short video, or anything else that conveys what it is like to have your impairment.

The other member will be the **doctor**. Your job will be to explain the best *method of treatment* for the impairment. You will have to explain the cause of the impairment and how the treatment cures or mitigates it. Again, how you do this is up to you.

## Expectations

**A1.7** select, organize, & record relevant information on research topics from various sources, inc. electronic, print, & human sources, using recommended formats & accepted forms of academic documentation

**E1.1** analyse a technological device or procedure related to human perception of light, and evaluate its effectiveness

## Tasks

### Research (A1.7)

You must consult at least three different sources of information for this project. These can be books, magazines, the internet, interviews, and so on. You must use note-taking sheets to record the information you find.

### Results (E1.1)

How you convey the results of your research is up to you (although your teacher must approve the method first!). Your goal is to convey as much accurate information as succinctly as possible. You can earn a Level 4 for a single page or device, if it's good enough!