Title: Wonders of the Human Eye

Subject Area: Medicine/Ophthalmology

Learning Activity Description: In this interactive session with Wayne State University President M. Roy Wilson, a world-renowned glaucoma surgeon and researcher, students get a hands-on introduction to human eye anatomy and common eye diseases. President Wilson also will share the story of how he decided on a medical career and answer questions about how to follow a similar path.

Lesson Activity Objective:

- Learn about basic human eye anatomy
- Discover common vision-threatening diseases
- Explore what it would be like to suffer from a vision-threatening disease
- Learn about careers in medicine and, more specifically, ophthalmology and research

Lesson Activity Outcomes:

- Participants should leave this session with a basic understanding of the human eye and common diseases.
- Students will see what it’s like to pursue a career in medicine and/or research.

Materials/Supplies Listed:

- Human eye model (4)
- Vision threatening diseases eye model (4)
- Vision diseases simulator goggles (4 sets)
- Glaucoma diagram (paper print-outs)
Teacher Procedures:

Preparation Time for Learning Activity:

- 5 minutes—President Wilson shares the story of how he became a doctor
- 30 minutes—Demonstration and group learning activity
- 5 minutes—Q&A

Room set-up:

- Chairs and materials arranged into four groups

Group Strategies (example, group size, expected time for groups, etc.)

- Students will be split into four groups and will be expected to share learning materials amongst themselves.

Student Products/Artifacts/work pages:

Assessment Criteria/Rubric:

Closing/Transition to next activity:

- The session will close with President Wilson taking questions from the students.