



## One Pair of Eyes© CURRICULUM OUTLINE for High School

### HIGH SCHOOL = 4 Periods

Recommended to be implemented in a science class (preferably a freshman year class, but could be in chemistry, biology, physics, health, or even a technology class).

This curriculum is structured to be a unit, 4 class periods, about 40 minutes each period. Sessions may use one class period per week over a month, or one class per day over a week, giving students in-class time to complete their PSA assignment (Class 1, g).

#### CLASS #1. Overview Video, Anatomy & Physiology

- a. One Pair of Eyes PowerPoint slides 1-10 including reviewing Anatomy & Physiology on the Prevent Blindness America® flash player link (15 minutes)
- b. Stop on Slide 11, play It Only Takes a Second© video (5 minutes)
- c. Low Vision Simulation (5 minutes)
- d. Show Slide 12. Have students spend one minute writing down as many things they can think of that they would miss seeing or doing if they could never see again. Go around the room, and invite students to share the ones they would miss most (5 minutes)
- e. Finish on Slide 13.
- f. Prepare “eyes” (vinegar soak eggs, gather flubber items) for Egg Simulations (5 minutes)
- g. Assign PSA projects. Homework or in-class? Choose one. (5 minutes to explain)  
These should be done with partners or in small groups, and include facts.
  - Youtube style 15 or 30 second Public Service Announcement video for peers/jr. high (or live skit if low-tech) about one area of eye health/safety (see handout)
  - Spend at least one hour blindfolded while doing normal things, and then blog/journal about vision deprivation experience. Present 15 or 30 second summary to the class.
  - Design (draw by hand or create a digital graphic) of user-friendly “cool” safety goggles and a 15 or 30 second advertisement for them (audio or video).

#### CLASS #2. Prevention & First Aid: Chemical and Impact Injuries

- a. Review, questions, project progress (5 minutes)
- b. PPP Slides 14 to (ending on) 46: Chemical and Impact Injuries (20 minutes)
- c. Stop on Slides 27 and 40 : Impact and injury simulations (10-15 minutes)

#### CLASS #3. Prevention & First Aid: Heat and Light Injuries

- a. Review, questions, project progress (5 minutes)
- b. PPP Slides 47-76: Heat, Light, and Fireworks injuries (15 minutes)
- c. Stop on Slide 77 and play “One Pair of Eyes” video (20 min)

#### CLASS #4. Prevention & First Aid: Eye Infections, Contact Lens Care, Projects

- a. PPP Slides 78-80, Stop on Slide 81: Pinkeye Infection Demo (5 minutes)
- b. Slides 82 to 93 : Eye Diseases, Infections, Contact Lens Damage (5 minutes)
- c. Stop on Slide 94: link to on-line “Jeopardy” and “Think Fast” Review Games (5-10 minutes)
- d. Click through Slides 95-99 (Resources ) End on Slide 100 (<5 minutes)
- e. Presentation of PSA Projects and wrap up! (20 minutes)