



“Blizzard Bag” Assignments



***NOTE: Using any of these assignments along with the Rubric makes your grade 7-12 classroom eligible for free 4gig flash drives and free safety goggles!**

One Pair of Eyes™ is a vision health and safety program. The goals are to help teens:

- To value and preserve your one pair of eyes.
- To learn the right eye protection to use in a given situation.
- To find out what to do if you get an eye injury.

Everything you need is available free and on line at:

<http://www.nationwidechildrens.org/one-pair-of-eyes-curriculum>

Assignment #1* – Public Service Announcement Creation

Rubric for High School: <http://www.nationwidechildrens.org/Document/Get/131728>

Rubric for Middle School: <http://www.nationwidechildrens.org/Document/Get/131727>

- A. Students create a Public Service Announcement for Eye Safety and/or Eye Injury First Aid. A PSA is like a commercial (an announcement) for something that everyone (the public) needs to know (that’s the service). Your PSA should be 15 or 30 seconds in length, be geared to teens, and may include music, graphics and/or acting, if desired.
- B. Information for the PSAs must be obtained from this website and links on this website (to ensure accurate information): <http://www.nationwidechildrens.org/one-pair-of-eyes-curriculum> (use documents in the **Core Curriculum for All Grades** or **Review Documents**).
- C. Students choose ONE of the 6 topics, and may work in groups of up to 5 people.
- D. PSAs should be created as a DIGITAL MOVIE (youtube style). Save on a disk or flash drive.
- E. Safety and/or first aid information must be included for one of the following subjects: CHEMICAL INJURIES, HEAT INJURIES, LIGHT INJURIES, FIREWORKS INJURIES, or EYE INFECTIONS.

Full instructions: <http://www.nationwidechildrens.org/Document/Get/38583>

Assignment #2 – Safety Goggle Design and Ad

Students will design safety goggles to prevent injuries from chemical spills/splashes, heat injuries, impact injuries, and light injuries. Students will also create an advertisement for their goggles. Use information from this website and links on this website for idea concepts and to ensure accurate information: <http://www.nationwidechildrens.org/one-pair-of-eyes-curriculum> (use documents in the **Core Curriculum for All Grades**).

1. Students can design the following safety eye wear either drawn by hand or with computer graphics program:
 - a. Splash (cover) goggles: Chemical spill/splash
 - b. Face shields: Chemical spill/splash
 - c. Safety spectacles/goggles: Heat, Impact and Light
 - d. Sports glasses: Impact
 - e. Welder’s Mask: Light
2. The following information must be included in the design:
 - a. Dimensions of safety wear
 - b. Types of materials used and why
 - c. Purpose of the design
 - d. Safety features and reasons for them
3. Advertisements for safety wear explaining the info in #2 may be done as:
 - a. audio (create a script for a 30 to 60 second radio-style ad),
 - b. graphics (create a magazine-style ad), or
 - c. video (record a 30 to 60 second TV-style commercial).

Assignment # 3 - 2 D and 3 D Art Projects

Choose One (A or B). Students may work alone or in small groups (teacher’s choice).

A) Scale Model of the Eye: Create a scale model of the eye.

Demonstrate basic anatomy of an in-tact or injured eye showing the parts of the eye using a picture from a textbook or the graphic found in the “One Pair of Eyes” Power Point Presentation (Slide #3 or #4) or on line from: <http://preventblindness.org/wiseabouteyes/lessons/eye/>, <http://www.preventblindness.org/vpus/glossary.pdf> , or any website on the “Student Resource Guide” on Slides #96-98 of the PowerPoint: <http://www.nationwidechildrens.org/Document/Get/131722> .

Draw or paint (2 D) or build (3 Dimensional) a model of the human eye using materials of your choice. Some examples: styrofoam, paper mache, flubber, or even decorate a cake! Label or be able to explain the structures.

B) Small-to-Large Grid: Create a larger scale drawing that demonstrates eye anatomy, safety equipment, or some other concept taught in “One Pair of Eyes” such as colorblind test, first aid, injury, infection, etc.

1. Use a small eye-related picture (photocopied from a book, magazine or the internet, or use examples on the next page) draw a perfect grid over it by carefully measuring $\frac{1}{4}$ " marks on a vertical lines beside the picture, and $\frac{1}{4}$ " marks on horizontal lines above and below the picture and then connecting the marks to create a grid with $\frac{1}{4}$ " x $\frac{1}{4}$ " squares.

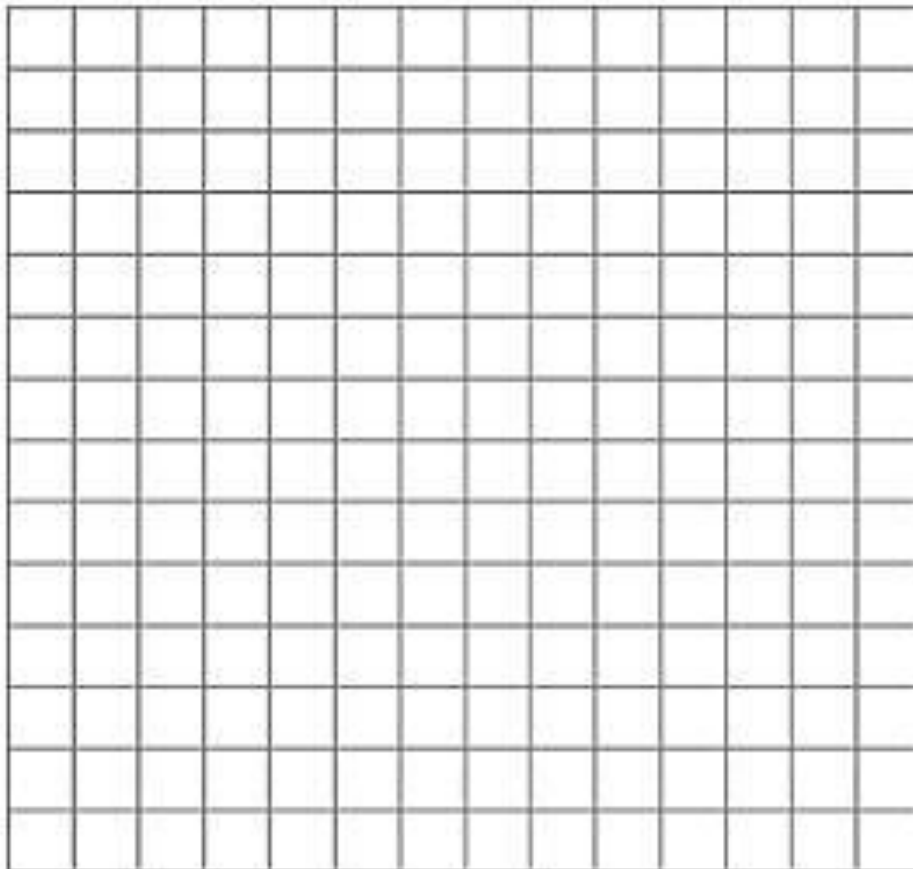
2. Count the number of squares. For example, if your original picture is 2" x 2" you will have an 8 x 8 grid of 64 squares, each $\frac{1}{4}$ " x $\frac{1}{4}$ " in size.

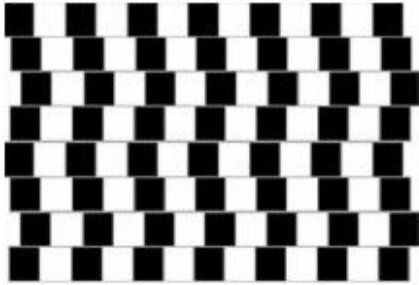
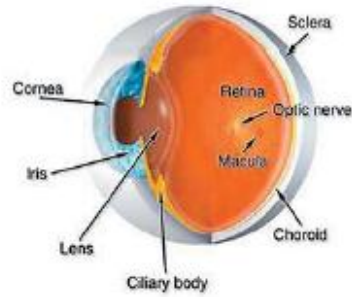
3. Lightly draw a large grid with pencil of the same number of 1" squares.

Note: You will be able to fit this on a standard 8 $\frac{1}{2}$ " x 11" paper (with a very small margin) if your original small picture is 2" x 2" but if your original picture is larger, you will need a larger paper or poster board for your large grid!

4. Transfer the small picture to the large grid by drawing a larger version of each small square on your small grid to the corresponding square on your large grid. Cool!

5. **Explain the eye health or safety idea in your picture.**





Various tests for color blindness  ADAM. <http://www.nlm.nih.gov/>

Full instructions: <http://www.nationwidechildrens.org/Document/Get/38574>

Graph paper available to download and print from:

<http://mathbits.com/MathBits/StudentResources/GraphPaper/GraphPaper.htm>

One Pair of Eyes™ is funded by the Ohio Department of Health Bureau of Child and Family Health Services Save Our Sight Program and is Supported by Prevent Blindness Ohio and Nationwide Children's Hospital