



PAPA Conference October 2018

State College, PA

Fast Facts About Eyes

- Seventy percent of the body's sense receptors cluster in the eyes, and it is mainly through seeing the world that we appraise and understand it.
- Second most complex organs in the body after the brain
- Light is converted into electro chemical impulses to help you understand what you see
- 90% of the information sent to the brain is visual
- Only 1/6 of the human eye is exposed. To protect our eyes they are positioned in a hollowed eye socket., while eyebrows prevent sweat dripping into your eyes, and eyelashes keep dirt out of your eyes.
- The human eye weights approximately just under an ounce and is about an inch across
- A fingerprint has 40 unique characteristics, but an iris has 256, a reason retina scans are increasingly being used for security purposes.
- 93% of all human communication is visual



WHAT IS CREATIVITY?

"Creativity is a crushing chore and a glorious mystery.

The work wants to be made, and it wants to be made through you."

Elizabeth Gilbert #BIGMAGIC



215.872.1657

Nancy Richards

How does vision change with aging?	What are the effects of aging on vision?
<ul style="list-style-type: none"> • Decreased visual processing speed • Sensitivity to light • Ability to see well in dim light • Upward gaze without moving head • Contrast sensitivity • Color sensitivity esp. blue-yellow-green • Tracking and smooth pursuits 	<ul style="list-style-type: none"> • Ability to see in low light • Adapt to darkness or changes in light • Judging distances • Peripheral fields or objects that are too close • Blue/green colors are poorly differentiated • Highly reflective surfaces are difficult

Barriers confronting people with vision impairment:

- Lack of confidence
- Diminished mobility (to avoid falling)
- Increased loneliness
- Social exclusion (many public places such as cinemas, restaurants, theaters etc are not easily accessible)
- Feelings of being 'a burden'
- Lack of knowledge of services available to them

Communication Tips for Vision Impairment

- It is acceptable to describe colors, patterns and shapes.
- Don't patronize them. Don't assume you have to make things 'easy' for them.
- Check if help is required and ask the person for instructions on how to help.
- Don't channel the conversation through a third person.
- When walking with them describe the terrain; steps, carpet.

Always respect the person's individuality, dignity and independence.

Low Vision Adaptive Measures

- Use a glue boundary on work space raised areas to be felt
- Avoid using table coverings with patterns, prints, stripes
- Place light colored objects on darker backgrounds
- Label art materials with bump dots-black, orange raised plastic dots with adhesive backing
- Puffy paint/dimensional paint as guide “bumpers” for art projects, make dots on cards

Place 1,2, etc. rubber bands around items to ID-types of glue, paint colors

Resources

Please Touch the Art: This Artist Creates Tactile Portraits for the Blind

Andrew Myers uses screws to make 3-D masterpieces for curious fingers

SMITHSONIAN.COM

JULY 19, 2016

3D Photoworks

USA TODAY

Published on Nov 2, 2015

Most have us have seen images of the Mona Lisa, but attendees at the National Federation for the Blind of Washington got to experience her for the first time with the help of 3D printing and a company called 3D PhotoWorks.

<https://www.youtube.com/watch?v=0BZrqxZdOLO>

Art exhibit lets blind visitors touch masterpieces in Madrid

PBS NewsHour

Published on Apr 25, 2015

An exhibition, “**Touching the Prado**” at the Prado Museum in Madrid, Spain, is designed to give the blind or those with limited sight an opportunity to create a mental image of a painting by feeling it. Alison Stewart reports.

Low Vision Games

<http://www.omninet.net.au/~irhumph/blindgamers.htm>