

February 8, 2011

ENGR110/210

Perspectives in Assistive Technology



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Professor Drew Nelson



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Questions, Comments, Thoughts?



Incomplete



Enrolled students taking the course for 3 units are required to attend every lecture or write a summary review / reflection of each missed lecture.

Enrolled students taking the course for 1 unit are required to attend at least 10 lectures, including the first one or write summary reviews / reflections of lectures totaling at least 10.

Students not meeting these requirements by the end of the term will receive an INCOMPLETE.

Please make sure you meet the course requirements.

Mid-term Project Presentations

- All reports due **Monday, February 14th at 5pm**
- Team project presentations in-class on Thursday, Feb 10th
- 15 minutes for each team, including questions
- See Assignment One
- Everyone attending will provide their review and comments
- Preference for presenting first or last?
- Students working on individual projects will have presentations outside class-time
- Indicate availability



PR2 Telepresence Video



Aphasia

Individuals with aphasia:

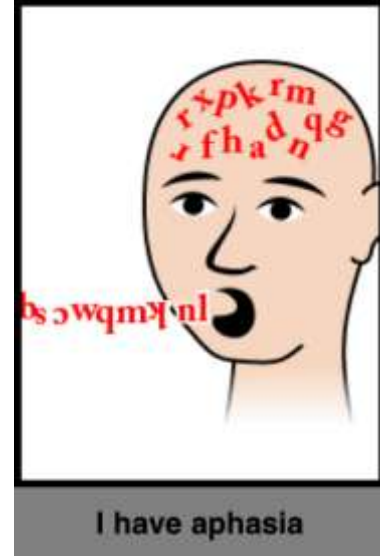
can not understand spoken speech

can not speak – they can not find the words

can not read text

can recognize people, images, icons

can understand numbers, money, and time



Lingraphica

Lingraphica is an important device because it allows people with aphasia to:

- find words (verbs are animated)

- construct sentences

- see lips mouthing words

- communicate

- regain power of speech (in some cases)

- track use

- carry their communication with them (Smalltalk)



Labels

Seniors

Senior citizens

Older adults

Graying population

Baby Boomers

Retirees

MediCare eligible

Emeritus

Older generation

Older workers

Over 65

Over the hill

Past their prime

Elderly

Social Security recipients



Labels

College students

Post high school

Pre employable

Young adults

Adolescents

Juniors

Seniors

Kids

Dependents

Undergraduates

Generation x y z

Juveniles

School-aged

Freshmen

Sophomores

Graduates

Children

Teenagers



Agnes



“At first glance, it may look like a mere souped-up jumpsuit. A helmet, attached by cords to a pelvic harness, cramps my neck and spine. Yellow-paned goggles muddy my vision. Plastic bands, running from the harness to each arm, clip my wingspan. Compression knee bands discourage bending. Plastic shoes, with uneven Styrofoam pads for soles, throw off my center of gravity. Layers of surgical gloves make me all thumbs.”

Age Gain Now Empathy System

Today



Peter W. Axelson, MSME, ATP, RET
**Designing Beyond the Norm to Meet
the Needs of All People**

Optional dinner after class at Max's in
Stanford Shopping Center – [who would like to
attend?](#)

Adjourn

