

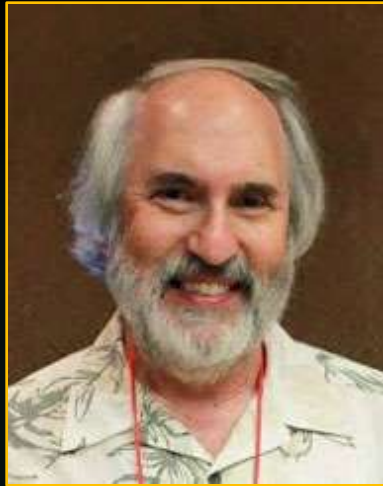
February 8, 2018

Designing Beyond the Norm to Meet the Needs of All People



# ENGR110/210

## Perspectives in Assistive Technology



David L. Jaffe, MS  
Instructor



# Questions?



# Attendance Sheet, Evaluation Form, and Meet with Dave Signup



For all students:

- Attendance Sheet
- Meet with Dave signup - teams or individual students

For everyone:

- Class Session Evaluation Form



ENGR110210 Enrolled Student Attendance List  
January 10, 2017

Email Address (@uakron.edu)	Name of Enrolled Student	Email Address (@uakron.edu)	Name of Enrolled Student
akron.andy@uakron.edu	Andy, Andy Akon	akron.andy@uakron.edu	Andy, Andy Akon
akron.ryan@uakron.edu	Ryan, Ryan Akon	akron.ryan@uakron.edu	Ryan, Ryan Akon
akron.laura@uakron.edu	Laura, Laura Akon	akron.laura@uakron.edu	Laura, Laura Akon
akron.lisa@uakron.edu	Lisa, Lisa Akon	akron.lisa@uakron.edu	Lisa, Lisa Akon
akron.mike@uakron.edu	Mike, Mike Akon	akron.mike@uakron.edu	Mike, Mike Akon
akron.josh@uakron.edu	Josh, Josh Akon	akron.josh@uakron.edu	Josh, Josh Akon
akron.dan@uakron.edu	Dan, Dan Akon	akron.dan@uakron.edu	Dan, Dan Akon
akron.john@uakron.edu	John, John Akon	akron.john@uakron.edu	John, John Akon
akron.james@uakron.edu	James, James Akon	akron.james@uakron.edu	James, James Akon
akron.jacob@uakron.edu	Jacob, Jacob Akon	akron.jacob@uakron.edu	Jacob, Jacob Akon
akron.jordan@uakron.edu	Jordan, Jordan Akon	akron.jordan@uakron.edu	Jordan, Jordan Akon
akron.jeremy@uakron.edu	Jeremy, Jeremy Akon	akron.jeremy@uakron.edu	Jeremy, Jeremy Akon
akron.jesse@uakron.edu	Jesse, Jesse Akon	akron.jesse@uakron.edu	Jesse, Jesse Akon
akron.joshua@uakron.edu	Joshua, Joshua Akon	akron.joshua@uakron.edu	Joshua, Joshua Akon
akron.kevin@uakron.edu	Kevin, Kevin Akon	akron.kevin@uakron.edu	Kevin, Kevin Akon
akron.kyle@uakron.edu	Kyle, Kyle Akon	akron.kyle@uakron.edu	Kyle, Kyle Akon
akron.luke@uakron.edu	Luke, Luke Akon	akron.luke@uakron.edu	Luke, Luke Akon
akron.matt@uakron.edu	Matt, Matt Akon	akron.matt@uakron.edu	Matt, Matt Akon
akron.nathan@uakron.edu	Nathan, Nathan Akon	akron.nathan@uakron.edu	Nathan, Nathan Akon
akron.noah@uakron.edu	Noah, Noah Akon	akron.noah@uakron.edu	Noah, Noah Akon
akron.philip@uakron.edu	Philip, Philip Akon	akron.philip@uakron.edu	Philip, Philip Akon
akron.ryan@uakron.edu	Ryan, Ryan Akon	akron.ryan@uakron.edu	Ryan, Ryan Akon
akron.seamus@uakron.edu	Seamus, Seamus Akon	akron.seamus@uakron.edu	Seamus, Seamus Akon
akron.shane@uakron.edu	Shane, Shane Akon	akron.shane@uakron.edu	Shane, Shane Akon
akron.stephen@uakron.edu	Stephen, Stephen Akon	akron.stephen@uakron.edu	Stephen, Stephen Akon
akron.tyler@uakron.edu	Tyler, Tyler Akon	akron.tyler@uakron.edu	Tyler, Tyler Akon
akron.walter@uakron.edu	Walter, Walter Akon	akron.walter@uakron.edu	Walter, Walter Akon
akron.zachary@uakron.edu	Zachary, Zachary Akon	akron.zachary@uakron.edu	Zachary, Zachary Akon

Sign Up to Meet with Dave

Before class outside Thornton 110  
After class in Thornton 110  
Other times in Peterson Building, Room 113

Date & Time	Enter Team Name & Specify 15 minute time block
Wednesday - January 18 <sup>th</sup> Morning - 8:30am - 11:30am	
Afternoon - 1:00pm - 4:30pm	
Thursday - January 19 <sup>th</sup> Morning - 8:30am - 11:30am	
Afternoon - 1pm - 3:30pm	
Before class - 5:45pm - outside classroom	
After class - 8pm	
Friday - January 20 <sup>th</sup> Morning - 8:30am - 11:30am	

Perspectives in Assistive Technology - 2017  
Class Session Evaluation Form

Lecture 01a: Course Overview & Introduction to Assistive Technology - David L. Jaffe, MS

Are you an enrolled student?  - Yes  - No

The purpose of the questionnaire is to help the teaching team assess today's class session. Please rate the following issues:

Speaker's overall presentation: speaking volume, understandability, ease of following concepts and arguments, clarity of explanations, quality of PowerPoint slides, use of supporting media (videos) and presentation aids (blackboard/whiteboard), stage presence, knowledge of topic, preparedness, presentation structure, organization, pace and management of allotted time, opportunity for questioning and class engagement, provided good examples, concepts, and demonstrations

Presentation content: topic relevant, relevance to the broad scope of assistive technology, presentation of new information, appropriate level of detail and technical content, overall value of presented material

Submit your comments, questions, and suggestions, especially if you found portions of the lecture to be particularly good or bad. Supply your name if you want a response and use the back of this form if you need more room.

What one item did you hear, see, or learn that was new, surprising, interesting, or provided a new perspective?

How much did you learn from today's lecture?  - A great deal  - a bit  - a moderate amount  - a little  - nothing

What is your stress level today?  - low  - medium  - high

How is your stress level trending?  - downward  - steady  - upward

# Team Projects



- ▶ Mid-term Team Project Presentations next week Thu, Feb 15th
- ▶ **Send me PowerPoint slides or online public link by noon**
- ▶ 7 minute presentations:
  - ▶ Tell the entire story
  - ▶ Be concise
  - ▶ Employ descriptive photos
  - ▶ Avoid every last detail
  - ▶ Show your prototypes as slide images
  - ▶ **Practice for timing, where to stand, etc**
  - ▶ **Use slide presenter as laser pointer and to advance slides**
- ▶ Mid-term Team Project Reports due Tue, Feb 20th



# Mid-term Project Presentation Order



## Mid-term Student Team Projects Presentation Order Signup

Thursday, February 15th

Presentations start about 4:40pm

Time slot	Team Name
1	
2	
3	
4	
5	
6	
7	
8	
9	

Note that the order will be inverted for the final presentation.

"And the first one now will later be last" - Bob Dylan, "The Times They Are A-Changin'"

"The order will be inverted for the final presentations." - Dave



# Field Trips

# Field Trip!



- ▶ Field trips:
  - ▶ Tuesday, February 13th - Magical Bridge Playground - Palo Alto
    - ▶ All are invited to attend, [including community members](#)
  - ▶ Thursday, February 22nd - VA Medical Center - Palo Alto
    - ▶ Students and community member car pool drivers only



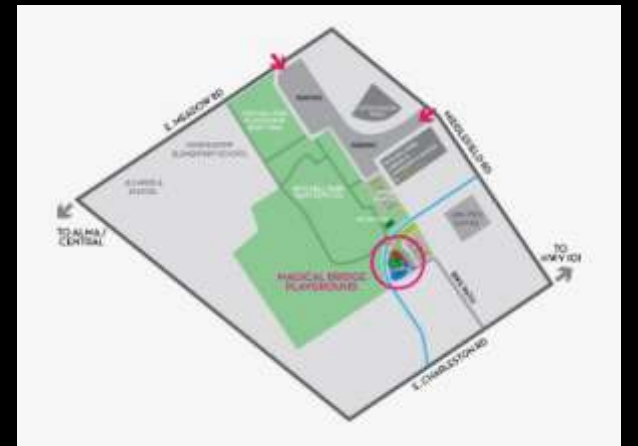
# Tuesday, February 13th

*Where Everyone Can Play!*



Field trip to Magical Bridge Playground

Olenka Villarreal & Jay Gluckman





Field Trip to the Magical Bridge Playground



# Field Trip to Magical Bridge Playground



- ▶ **Passengers:** Please sign up for a ride. On the day of the field trip, please arrive **promptly** at the departure point: in front of the classroom facing Santa Teresa at 4:30pm.
- ▶ **Drivers:** Please park along Santa Teresa in front of Thornton. Depart **promptly** at 4:30pm. Carpool list, maps, and directions will be provided.
- ▶ **Drivers & passengers who need to leave early**

Let me know if you are a solo driver so I can send you a map.

# Car Pool Drivers' & Passengers Signup Sheet



**Passenger Signup Sheet**  
*Magical Bridge Playground*  
Tuesday, February 13th  
Departure Point and Time: Thornton Center @ 4:30pm

Driver's name, cell & email:	Dave Jaffe	650/892-4464	davejaffe@stanford.edu
Car make, model, color:	Black Acura Integra		
Passengers:	1. Name: _____	Cell: _____	
	2. Name: _____	Cell: _____	

Driver's name, cell & email:	Name: _____	Cell: _____
Car make, model, color:	_____	
Passengers:	1. Name: _____	Cell: _____
	2. Name: _____	Cell: _____
	3. Name: _____	Cell: _____
	4. Name: _____	Cell: _____

Driver's name, cell & email:	Name: _____	Cell: _____
Car make, model, color:	_____	
Passengers:	1. Name: _____	Cell: _____
	2. Name: _____	Cell: _____
	3. Name: _____	Cell: _____
	4. Name: _____	Cell: _____

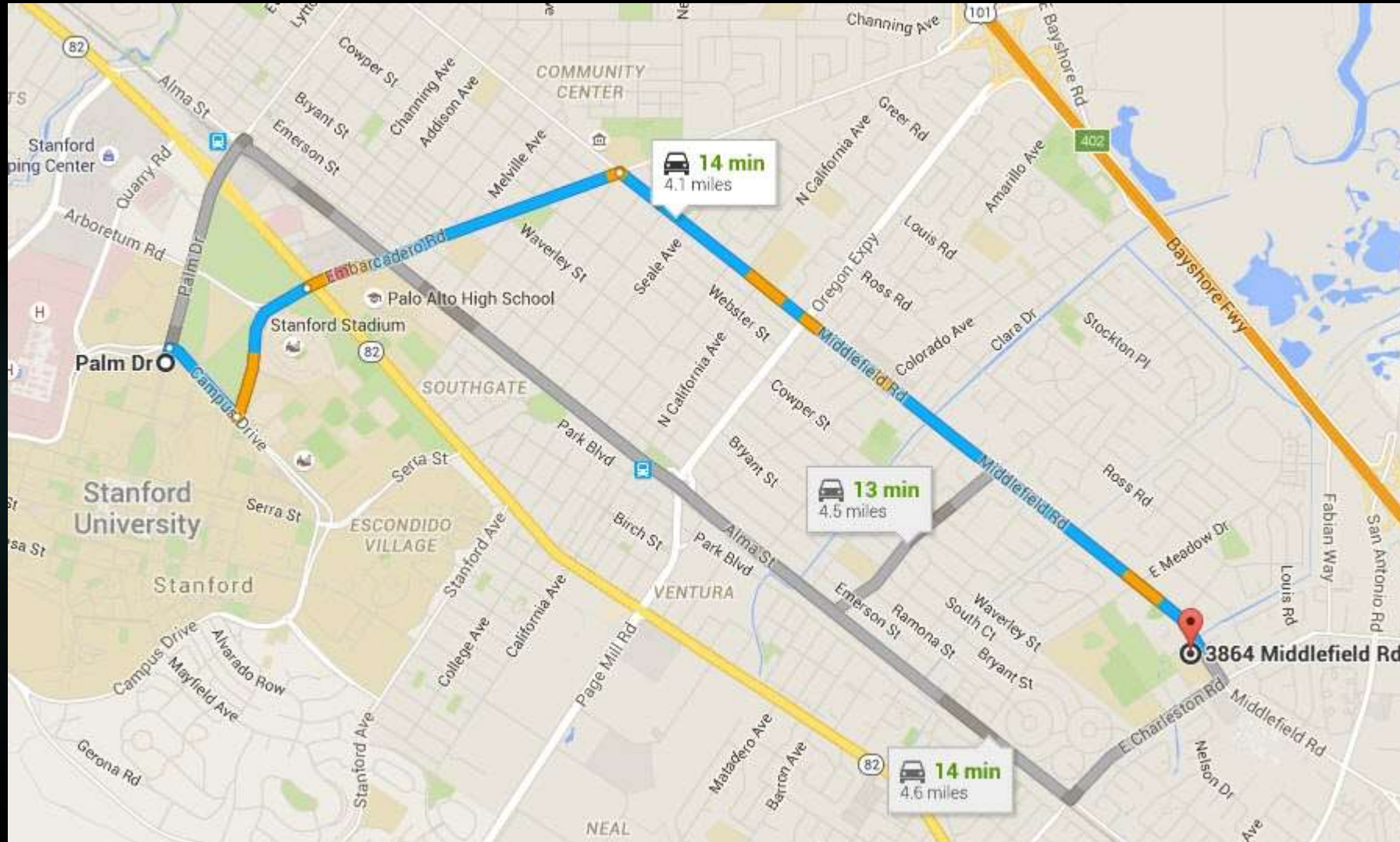
- ▶ Students and community members: Please indicate your availability to drive students to these field trips. Unless otherwise arranged, the departure point from Stanford is the Thornton Center.
- ▶ Students not driving: Please sign up as a passenger with a car pool driver.
- ▶ Let me know if you are a solo driver or bicyclist so I can send you a map.

# Directions to Magical Bridge Playground

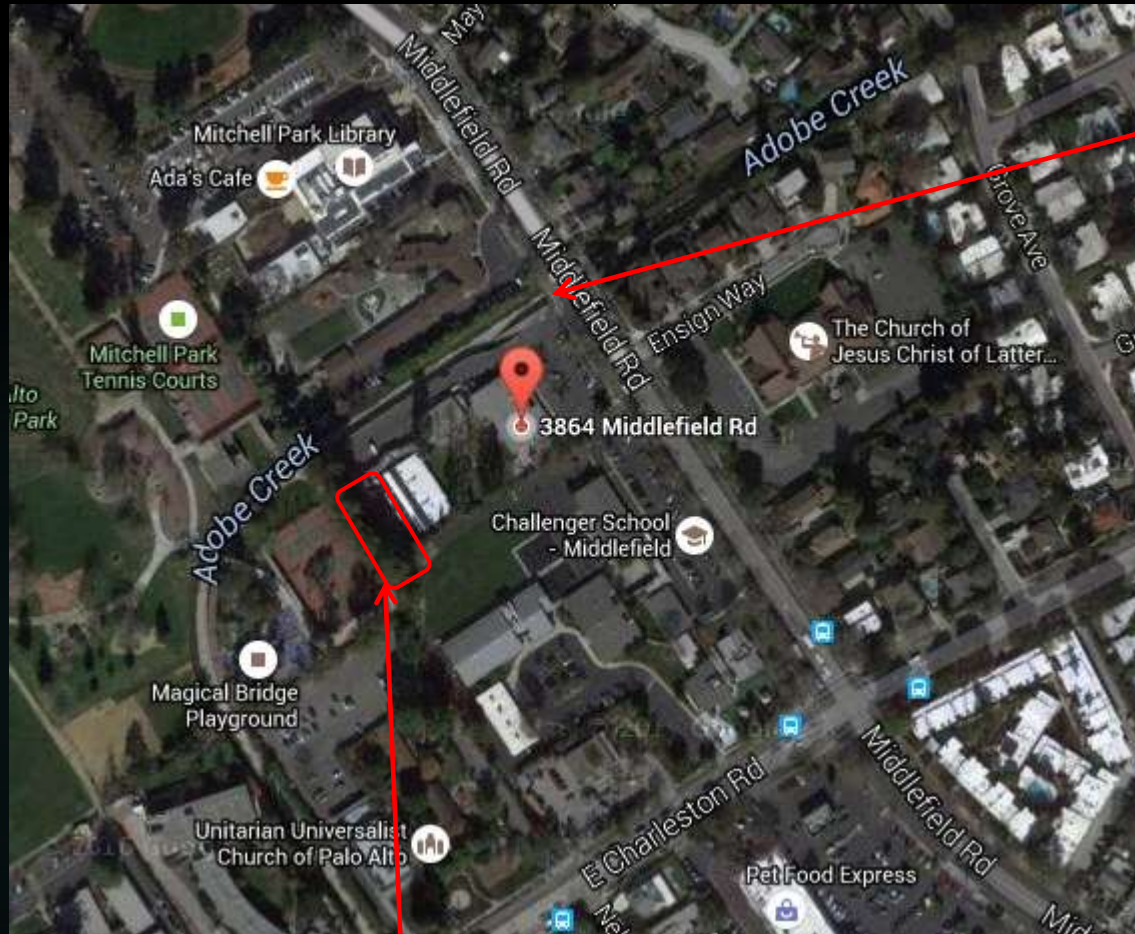


1. Take Campus Dr to Galvez St.
2. Left turn onto Galvez St.
3. Cross El Camino Real - becomes Embarcadero
4. Right turn onto Middlefield Rd.
5. Just after Adobe Creek and before Charleston, turn right into Abilities United at 3864 Middlefield. Park in the back.
6. Proceed on foot to the Peery Circle Entry.

# Directions to Magical Bridge Playground



# Aerial Terrain View



Turn here

Park here



# Entrance off of Middlefield Rd



Enter here

Notice change in pavement color



# Park near tennis courts

Park here



Turn here

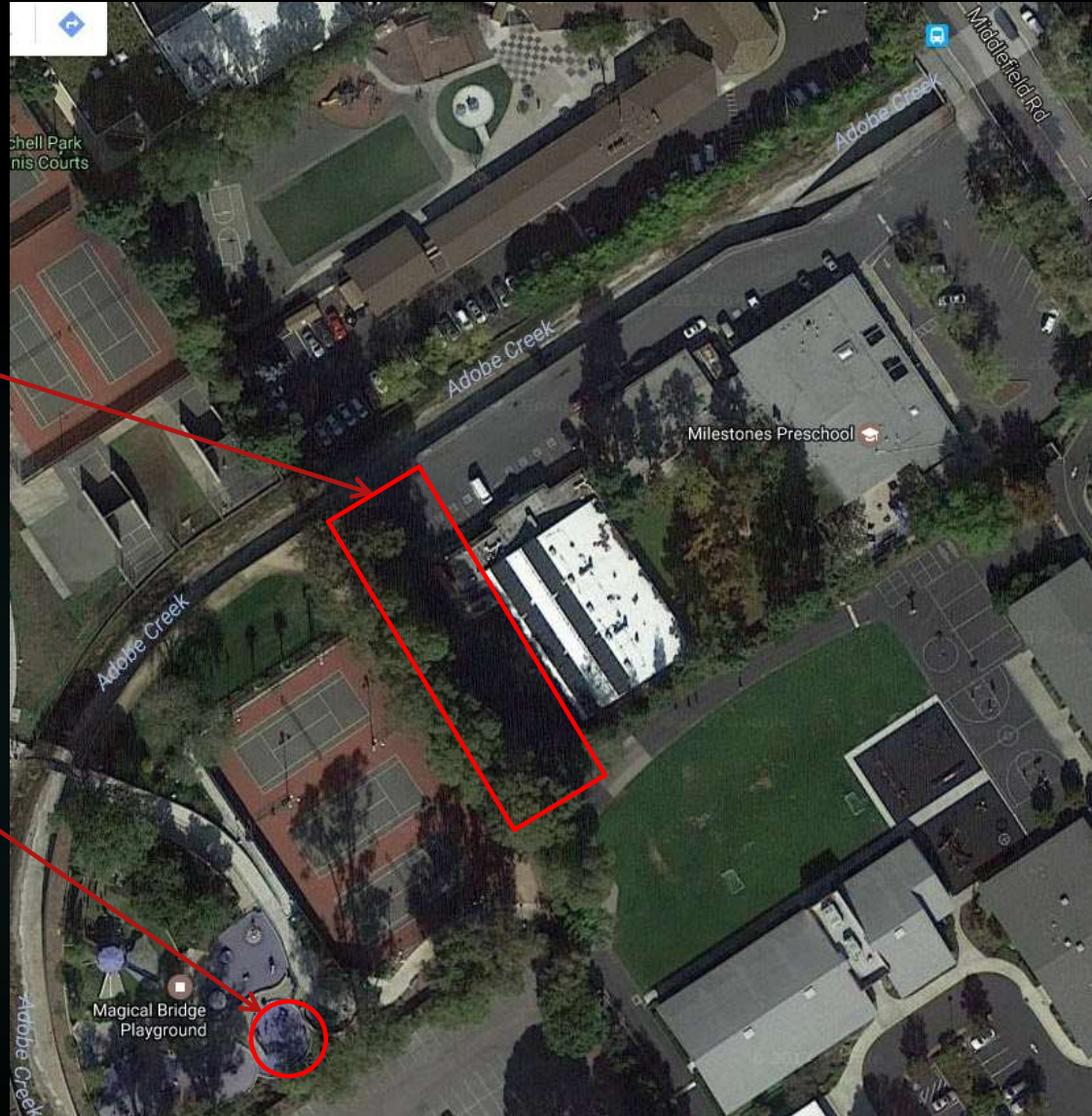


# Magical Bridge Playground



Park here

Meet here





# Meet at Entry Plaza



Meet here



# Today



Designing Beyond the Norm to Meet the Needs of All People

Peter W. Axelson, MSME, ATP, RET

Beneficial Designs - Director of Research & Development

# After Class



Post-class dinner at Max's in  
Stanford Shopping Center at 6:30pm



# Pre-lecture Discussion Topics



- ~~21~~ Assistive Robotics
- ~~18~~ Ethical / Moral Dilemmas
- ~~13~~ In the News
- ~~12~~ Ten Commandments of Making
- 12 Video Theatre
- 12 Marketing Terms
- ~~10~~ Overview of Accessibility
- 10 Vintage Assistive Technology - next
- 10 The Upside of Failure
- 8 Who is Disabled?
- 7 Famous people with disabilities

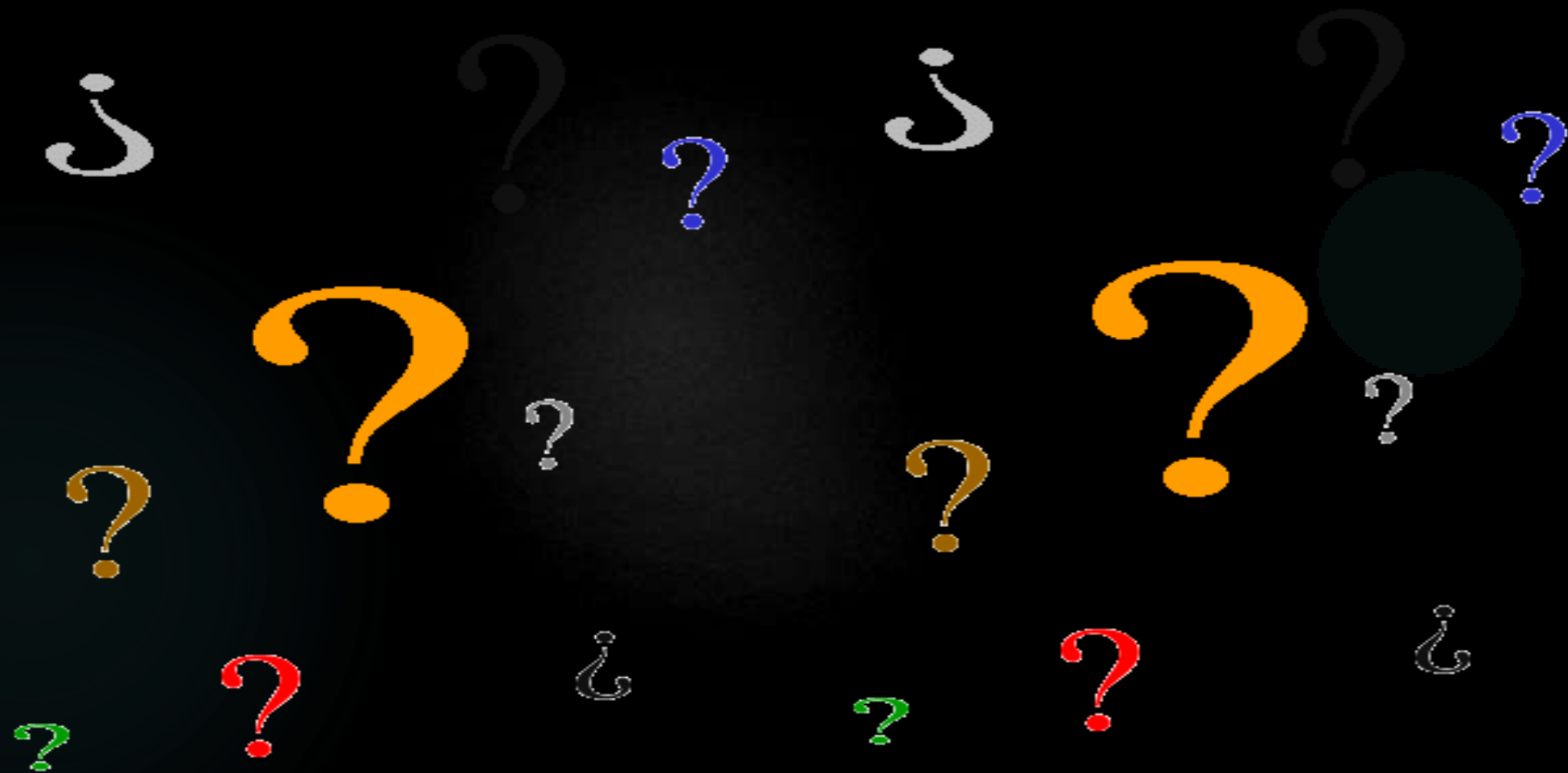


# WCAG



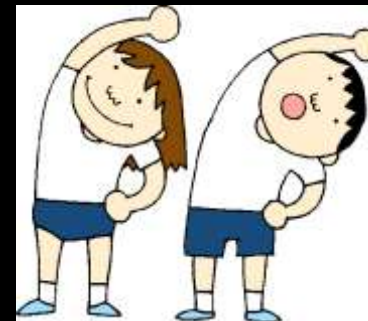
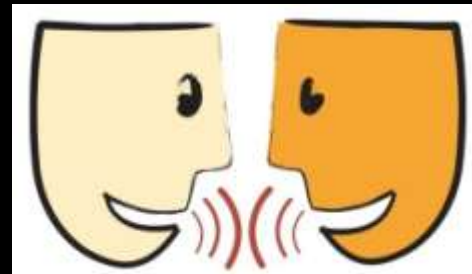
- ▶ Web Content Accessibility Guidelines
- ▶ Their goal is to provide a single shared standard for web content accessibility that meets the needs of individuals, organizations, and governments internationally.
- ▶ The WCAG documents explain how to make web content more accessible to people with disabilities. Web "content" generally refers to the information in a web page or web application, including:
  - ▶ natural information such as text, images, and sounds
  - ▶ code or markup that defines structure, presentation, etc.

# Questions?



# Break Activities

- ▶ Sign attendance sheet
- ▶ Grab a cookie
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message, web-surf, email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



Adjourn



class dismissed





# Laptops Galore



# Time for Questions?



End the class

