ENGR110/210 Perspectives in Assistive Technology



David L. Jaffe, MS



Professor Drew Nelson



John Thiemer

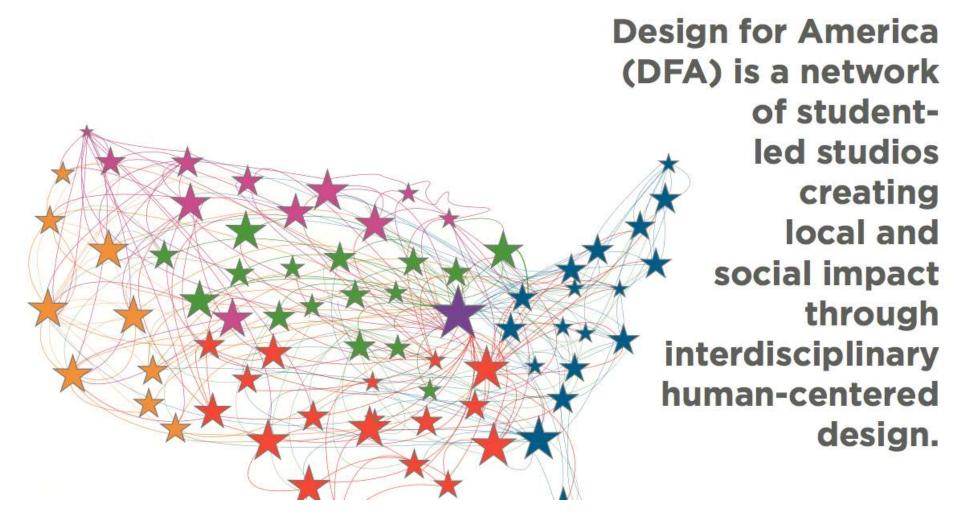
Questions?



Design for America

Tyler Haydell







founded at Northwestern University in 2009





See mind-tingling and hair-raising problems as opportunities to tackle.

define



Enter notionless and stand on your heads for new perspectives.

discover



Be driven by the right question not the right answer.

reframe



Get lost in possibilities in order to end up somewhere completely new.

ideate



Make what you know and test & iterate what you don't.

prototype



Post-its don't change lives. We mean business and aim for impact.

implement





Jerry the Bear Childhood Diabetes Northwestern



Biobin
Paper Conservation
Univ. of Oregon



Right Angle
Water Conservation
Northwestern



Dell Social Innovation Competition Entrepreneurial Idol, 2nd Diabetes Mine

Northwestern RISD/Brown Univ. of Oregon Columbia/Barnard Dartmouth Cornell Stanford UCLA









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How to get involved

interested?...join our facebook group ready to commit?...join a project team



Email us! stanford@designforamerica.com

Follow our blog! http://stanforddfa.tumblr.com/

Check out the national website!

Designforamerica.com

Back to Dave

- John's RAFT Project
- Project Questions from Tuesday
 - http://engr110.stanford.edu/projectquestions.html
- Team Formation
- Individual Projects
- Room 36
- Photo of the Day
- Who is Disabled?

John's RAFT Project

This project sought to develop new classroom-based educational activities appropriate for children with disabilities. They created Math Blast, an early-stage mathematics kit that allows teachers to teach a variety of math concepts on a variety of levels using colored blocks, plastic squares, and strips of paper that were all packaged in a plastic









Team Formation

- Consider other students' preferences
 - http://engr110.stanford.edu/preferences.html
- Form a team by end of tomorrow
 - Transfer-mations Sofia & Nick (Class of 2015)
 - Low cost transfer device (Rotamobility)
- Send email to Dave
 - Team members
 - Name of team
- Think about
 - Name of project
 - Name of device or software

Individual Projects

- Consider the three individual project options:
 - Assistive technology topic
 - Paper design of an assistive technology device
 - Work of art
- Interview an individual with a disability. This could include: a family member, a friend, a classmate, a community member attending class, or others that I can suggest
- Report on their lives, challenges they have faced, successes they have achieved, desires for their future, assistive technology they use, and problems they have experienced with them.
- Meet with Dave to agree on project

Room 36

How many students working on team or individual projects desire access to Room 36 resources?

Photo of the Day



Who is Disabled?

Disability is defined as a health condition or physical impairment that prevents an individual from taking full advantage of life's opportunities such as education, vocation, recreation, and activities of daily living.

Who is Disabled?

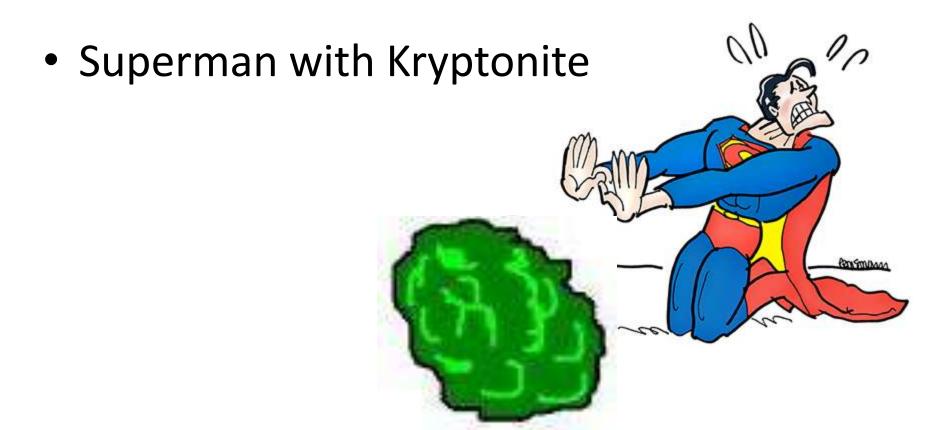
Superman

... came to Earth with powers and abilities far beyond those of mortal man



Who is Disabled?

Superman



What's the Point?

 There are situations that can cause temporary impairments in even the most able-bodied individuals

Tuesday



Douglas F. Schwandt, MS **Design Challenges in Assistive Technology**



Jacon C. Chun, MPT, SCS, ATC, CSCS

Assistive Technology in Patient Care: AntiGravity Treadmill in Rehabilitation and
Training

Today



Debbie Kenney, MS, OTR/L

The Transdisciplinary Team: Bridging the Gap between Consumers and Products in Rehabilitation Medicine

Short Break

