TURNING TO TECHNOLOGY: EMERGING ACCESS FOR STUDENTS WITH DISABILITIES

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Turning to Technology

Agenda:

- Purpose, Goals, and Context
- Access Abroad
- CIEE Strategies to Inclusion
- Types of Technology
- CIEE Alumni Experience Abroad
- Q&A
Technology and Disability

- https://www.youtube.com/watch?v=XB4cjbYywqg
Technology and Disability Inclusion

Goals:

• Start with YES!
• Embrace Technology
• Bridge Not Barrier
• Recognize Access Opportunities
  • Recruitment
  • Access Abroad
  • Engagement
Changing the Image of Study Abroad to Include…
…THIS!!!
ACCESS ABROAD
Disability Rights Exist Around the World

- United Nations Convention on Rights of Persons with Disabilities (UNCRPD)
- 160 signatories to the Convention (yellow)
- 92 signatories to the Optional Protocol (light blue)
- 173 countries ratified/accessions to the Convention (dark blue)
- 92 ratifications/accessions to both Convention and Optional Protocol (orange)
Global Disability Rights Related Mobile Apps

- Vietnam: City Accessibility Map
- Libya: Electoral Sign Language Lexicon App
- Taiwan: Restaurant Accessibility App
- India: Polling Center Accessibility App
- Pakistan: Disability Inclusive Political Engagement App
Accessibility Examples:

- **Informational**
  - Digital copies of handouts
  - Video captions/transcripts

- **Structural**
  - Flexible desk set-up
  - Ramps

- **Attitudinal**
  - Challenge by Choice
  - Options for assignment type

- **Procedural**
  - Early arrival
  - Changing locations
The Biggest Accessibility Barrier

Attitudinal Barriers

• Preconceived notions
• Assumptions of host institution/region
• Limited knowledge of current technology and access tools
Assumed Barriers

- Recruitment
- Physical Access
- Housing
- Sign language interpreters (Deaf)
- Orientation and Mobility (Blind)
- Disability Culture
- Alt Formats
CIEE STRATEGIES TO INCLUSION
835 STUDENTS IN 2015

MENTAL

LEARNING

CHRONIC

MOBILITY, VISUAL AND AUDIO
NEW OPPORTUNITIES THROUGH TECHNOLOGY
Pack Up Your Bike…Let’s Go for a Ride!!!

• Recruitment and Outreach
• On the Ground
• Disability-Specific Mobile Apps
Recruitment and Outreach

- **Barriers:**
  - Online application inaccessibility
  - Study Abroad materials (alt formats)
  - One form of communication: Audio, visual only

- **Targeted outreach to students with disabilities**
  - Social media – tag disability-specific organizations, terms
  - Crowdfunding campaign: Draw attention to access for students with disabilities (purchase equipment, scholarships)
  - WhatsApp Broadcast platform
  - Skype advising sessions (chat or video)
  - Videos; #YouAreWelcomeHere (caption)
On the Ground

- Google Maps: Navigation
- OsmAnd (offline maps)
- Google Translate
- Provide more disability-specific/region-specific resources
- Apps for Accessibility Map ("Complete 10 Access Tips and Get ________"!)
  - Brettapproved.com
  - AXS map: https://www.axsmap.com/

(includes video and document on how to rate)

Here are the photos you'll generally need for hotels: parking, entry/doorway, check-in, hallways, elevators/lifts, sleeping room (look for the placement of bed and furnishings to determine room to maneuver, electric outlets, access to windows), bathrooms (try to capture shower, seating, toilet, grab bars, sink), hotel features such as pool/hot tub, and public spaces.

For a restaurant, you'll generally want these photos: parking, entry, aisle widths, seating options, restroom hallway/access, toilet stall with grab bars.

For almost any location or venue, you'll want parking, entry, pathways, restroom. Pay special attention to slope and ground surface as many of our readers use manual chairs.
On the Ground: Equipment

Ramp Created by a 3-D Printer

Free-Wheel Taking on Cobblestone Roads

Go-Grit through Nature
5 Essential Apps and Tools for Deaf/HoH Travelers

- Picture Dictionary-Babel Deck
- Tap Tap
- WhatsApp
- Google Maps
- Spread the Sign: Multilingual Sign (200k signs in almost 20 sign languages)
5 Essential iPhone Apps and Tools for Blind/Low Vision Travelers

- Google Maps
- Blind Square (accessible GPS)
- LookTel Money Reader (21 currencies)
- DOT Braille Watch
- Seeing AI: [https://youtu.be/4krZgdX_WT8](https://youtu.be/4krZgdX_WT8)
Other Assistive Technology:

- Smartpen records what’s written and synchronized with audio at the same time.
- White Noise apps for people with sensory or concentration difficulties
- Voice Memo
- MyHealth – keep track of all your medical info
- Medicine List, Pocket Pharmacist, many others – Keeps track of medications, allergies, pharmacies, lets you know of potential drug interactions, side effects
- Talkitt: people with speech difficulties/trouble understanding heavy accents, translates voices into “easier to understand” speech [https://www.indiegogo.com/projects/talkitt-this-is-my-voice#/](https://www.indiegogo.com/projects/talkitt-this-is-my-voice#/)
CIEE ALUMNI EXPERIENCE:

EMMA VERRILL
Questions

Contact NCDE for any disability-related questions and access hundreds of online resources

- Email: clearinghouse@miusa.org
- www.miusa.org
- Center on Technology and Disability (CTD)
- Your Disability Services Office

Free Online Resource  www.miusa.org/ncde

National Clearinghouse on Disability and Exchange, administered by Mobility International USA & sponsored by the U.S. Department of State
THANK YOU