Handcrafted Adaptations

Enhancing Performance through Cardboard Devices

Julia Damon OTS
Participation in OT Practice

“Man, through the use of his hands, as they are energized by mind and will, can influence the state of his own health”

Mary Reilly, 1962
Experience of Participation

“taking initiative & making choices”

“doing something physical”

“doing something social”

“doing something for others”

(Borell, Asaba, Rosenberg, Schult, & Townsend, 2006)
Ecology of Human Performance

“A person does not exist in a vacuum”

(temporal) (social) (cultural) (physical)

(Dunn, Brown, & McGuigan, 1994)
Environmental Adaptations

• ‘Fix’ the context
• Share a privilege
• Promote inclusion

Assistive Technology
High-Tech
Low-Tech
No-Tech

(IDEA, 1988)
OT Scope of Practice

(AOTA, 2010; AOTA, 2011; IDEA, 1988)
Impact On Populations

SPECIALISTS & AWARENESS

PARTICIPATION & PERFORMANCE

ACCESS & QUALITY OF LIFE

TRAINING & ADVOCACY

(Bausch & Jones, 2012; Long, et al., 2007)
Hands-On Training

- Concrete skill acquisition
- Measured by mastery
- Real world applicable
- Goal is enhancing performance

(Collins & O’Brien, 2003)
Hands-On Training
Hands-On Training
Desk and Magnifier Case

- Principal request
- First grade student
- Visual impairment

- Inclusion in circle-time
- Better book capturing
- Reduced glare
- Protection & portability
Backrest w/Head Piece

- OT Request
- Home health client
- Parkinson's-like symptoms

- Support in living room chair
- Reduces tremors
- Reduces right side lean
- Reduces falls
Stairs w/ Hand Rails

- Motor team request
- Elementary students
- Therapy equipment
- Mobility practice
- Comfortable grasp
- Fall prevention
Activity Stander

- OT/PT request
- 18 month old girl
- Motor delays

- Provides stability
- Instills security
- Isolates lower body
- Promotes fine motor
Collaboration & Training
SUNY Downstate at UCP
Collaboration & Training
iPhone Stand

• Gift from OT
• 6 year old boy
• Phelan- McDermid Syndrome

• Stabilizes iPhone
• Optimizes video viewing
• Enables focus at restaurants
Phone Stand Template

- ADA staff request
- STEM fair participants
- Making iPhone stands

- Grades down time, skill & material demands
- Ensuring success through backwards chaining
- Motivates future making
New York Hall of Science

STEM Fair
OT Students from Touro
Phelan McDermid Syndrome
2016 Conference in Florida
Conclusions

- Even simple devices can be “life changing”
- Low cost, high value & feasible to implement
- Skills require time, mentorship & hands-on training
- Multiple implications for local community
- Time to catch up with NYC OT programs
- OTs role to make, advocate & lead movement
Next Steps…

• Acquire tools and work space
• Complete 100 piece portfolio
• Create training manual
• Collaborate with community
• Implement CE course
• Mentor others at sites & events
Questions
Thank You
References


Images

Slide 9 & 23, retrieved from:

http://www.adaptivedesign.org

Slide 4, retrieved from:

http://www.iconsdownload.net/other/16960-time-2-icon (slide 4)
https://www.iconfinder.com/icons/143974/kg_market_mass_weight_icon
http://www.studenthubs.org/universities/
https://wikidownload.com/wiki/acting-resume-template/

All other images and content:

©2016 by Julia M Damon, all rights reserved