Maker movement manifesto: Navigating new pathways to enhance access to assistive technology.

Suzanne A. Milbourne with Acknowledgement to Phyllis Guinivan and Lil McCuen





Introduction

The MAKER MOVEMENT can create positive change in a field that is often heavily burdened with administrative procedures by improving access, expanding the type of assistive tools available to individuals with disabilities

Purpose

Change is necessary if we are to advance the role of simple, affordable, and timely assitive solutions for individuals with disabilities.

Change in the...

- Vision of how and the type of "services" available and how they are provided;
- Way billing structures are designed;
- Structure of collaborations and partnerships;
- In the value attributed to a collection of innovative minds contributing to the available pool of solutions;
- Way we train disability service providers to conceptualize assistive technology solutions;
- Approaches used by institutions of higher education to teach about assistive technology...

Maker Movement Approach

Dual-Sided Just-In-Time Low- or Light- Technologies Participation-Based Open Source Zero-to-Maker Community

Maker-to-Maker Community Maker Advocate Community



Ingredients:

Consumer Request Volunteer Matching fabricATion Laboratory

Results

Between December 1, 2015 and November 30, 2016



- 52 Volunteers enrolled 88% Community 12% Students
- 15 Consumer Requests received
- fabricATion Laboratories
- 90 Assistive Solutions
- < 5.00 each



Conclusions

- Immediate benefit for the disability community
- Opportunity for ordinary people to design, create and build extraordinary assistive tools for individuals with disabilities
- Outstanding potential for addressing time lags, cost, and finding the "just right fit" of low- or light- assitive technology solutions for individuals with disabilities

Future Directions

- Application of the makermovement initiative for experiential, applied student learning
- Partner with other institutions of higher education in the region
- Create a regional network of hubs
- Secure partnership with student organizations outside typical maker communities
- Sustain the initiative by embedding it in the community

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