MakerSpace – My Experience

ID van der Walt – September 2014
Overview

2. Purdue University – Fabrication Lab

1. My Experience
2. Where are we now
1. Attended the Games, Gadgets and MakerSpaces session. Also attended Makerspaces, Service Design, & Library Creative Spaces workshop.

1. First exposure to MakerSpaces with concepts, examples and also hands-on exercises with lego.

2. Realised that current and past technologies can be used to stimulate and enrich creativity.

1. 3D Printing and Electronics remain consistent throughout all environment as a key technology.

Sound Egg

Interactive Table
1. Fully Operational Fabrication Lab / MakerSpace
   - Engineering Orientated
   - CAD with 3D printing / Metalwork / Woodwork

2. Self learning self sustaining culture
   - Older students helping younger students
   - Students source their own consumables
My Experience

1. Ordered a Arduino Uno starter kit to see what it’s all about. Why?
   • To gauge the ease of use
   • To confirm accessibility of resources and communities
   • And…I like gadgets

2. Visited House4Hack in Centurion to see a established South African MakerSpace. What did I find?
   • More Gadgets 😊
   • People from all walks of life.
   • A innovative culture with inquisitive approach to problem solving
   • Support from various disciplines such as engineering, computer science, art and many more
My Experience Cont.

So with all that this is what I have to show…
Where are we now

Allocated Area
Where are we now Cont.

1. 3D Printers
   - Robobeast
   - Robobeast Super Size
   - Morgan
2. High-end Computers for CAD
3. Arduino Kits for Demo Purposes
4. White Board Paint for walls
5. High-end Soldering Kits for electronics
6. Projector for training purposes
7. Collaboration with House4Hack
Some Helpful Links

Make it at your Library - http://makeitatyourlibrary.org/

MakerSpace PlayBook - http://makered.org/

House4Hack - http://www.house4hack.co.za/
Thank You