TANGIBLE VISUALIZATION

Project 3

Tangible Visualization for Children

- in Education
- In Healthcare
- In Entertainment

Tangible Visualization

On the Body
Around the Body

Tangible Visualization: Soft Circuit

On the Body: Wearables

Around the Body: Responsive Environments

Examples

Wearables

Responsive Environments

Education

- □ Pop-up book
- □ Sonic Threads

http://www.fashioningtech.com/video/sonic-threads

Play

- Wearable toy piano http://www.kobakant.at/ DIY/?p=1324
- Sound of Warmth http://www.bodyinterface.com/
 2010/08/22/sound-of-warmth/
- Knit Soft Robot
 http://www.fashioningtech.com/profiles/blogs/crawling-knit-soft-robots
- □ Keepon http://vimeo.com/18429174
- Sound http://jkozniewski.com/portfolio/

Wearables

- Aureliahttp://www.bodyinterfaurelia-2009/
- □ LED shoes
- Smart Mittens
- Keep Calm and Carry http://www.fashioning and-carry-leds









Healthcare

- Autism
- Nature Trail
 http://www.jasonbruges.com/projects/uk-projects/
 nature-trail
- Robotic Hands
 http://techcrunch.com/2013/02/04/two-global-makers-come-together-to-make-a-robotic-han-for-a-boy-in-south-africa/
- □ Paro https://www.youtube.com/watch?v=oJq5PQZHU-I

Nature

Fillin

 http://www.bodyinterface.com/2009/12/20/
 fillin/

 Grass http://www.embodiedimmersion.com/?p=78

 http://www.marilynmonrobot.com/wp-content/

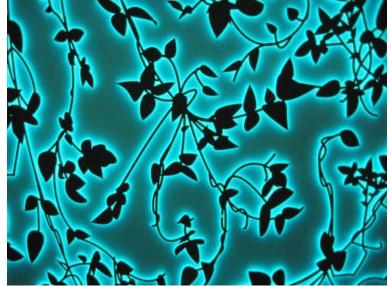
uploads/2009/05/1cyberflora.mp4

Environment

□ DigitalDawn by Loop.ph, 2000

http://loop.ph/bin/view/Loop/DigitalDawn





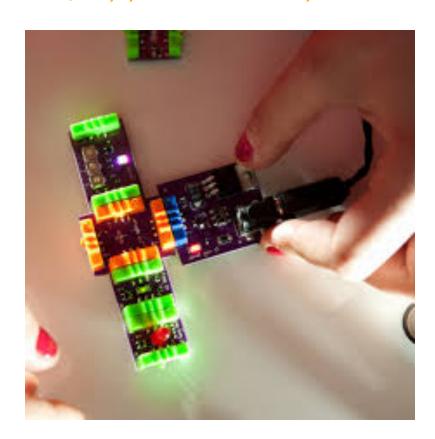
Environment

Shutters by Marcelo Coelho http://
 web.media.mit.edu/~marcelo/shutters/index.html

Clyde
http://pinterest.com/pin/122723158568607456/

Electronics for Kids

- □ Littlebits http://littlebits.cc/
- □ https://vimeo.com/littlebits/littlebitsbrandvideo



Development Environment

- Sensing Sensors for quality of Touch
- Analysis Arduino
- Actuate Light, Movement, Sound, Vibration

Electronics Stores

- Local Stores
 - Radioshack
- Online Stores
 - Sparkfun.com
 - Digikey.com

Assignment

- Project Idea
 - Concept text / drawing
 - Scenario Please write /draw your project scenario. Be as specific as possible, describing what a person interacting with your project will see / hear / feel, and how they would interact with your project.
 - Materials
 - Technical Specification
- Timeline
- Research –find three projects related your idea