

2014-11-04 meeting notes

- **Driving Simulations** — use axis tilt to simulate a steering wheel; ‘drive’ a car
 - + Operational Use — Drive/operate heavy machinery from a proxy environment; use the mobile device to drive a forklift remotely

- **3D “Future Lab”** — Bluetooth or Wireless
 - + Sphero — 3D collision environment; physics in real space with digital control
 - + Robotics — custom programming of smart devices use through a tablet

- **Orienteering** — Map usage; topology; sense of direction
 - + Boat Navigation — star mapping
 - + Astronomy — constellations — take a picture of the sky; “What direction am I facing?”

- **Survival App** — Data mining current locale & critical problem solving
 - “What is near me?”
 - + closest civilization
 - + fresh water sources
 - + safe regional food sources with a photo
 - + unsafe regional food sources / environmental concerns
 - “What do I have with me?”
 - + how to gather food — build a snare or fishing rod; what do I have on me
 - + how to start a fire

- **Emergency App** — Triggered event response
 - + How to find someone trapped in a building collapse
 - Call phone with certain number or trigger ping based event
 - Have the response be a specified ‘emergency’ behavior

- **Health Courses & Topics** — Generalized Good Health Focus
 - + Journal Environment with positive recommendations
 - track physical activity and cardio time
 - track general meals
 - recommend cardio/meal choices based on person’s “favorites” to balance daily diet
 - NOT a calorie counter

- **Athletics** — Information Disbursement and De-localization
 - + Football — “Film Room App” — Access to this week’s film sessions
 - “Play Book App” — Access to this week’s game plan

- **Fine Arts and General Arts** — Creation Process
 - + Music — App that simulates sheet music and has sound playback
 - give students the ability to compose music
 - email the sheet music to a computer with a printer and then play it on a piano
 - + Writing Composition — step away from all the auto-correct utility
 - have a text based app that critically analyzes and discusses grammatical and structural weaknesses within a piece of text