



Overview of Materials in the Traveling Tech Lab

Wearable and E-Health Technology:

- **Qardio Blood Pressure Cuff**—Bluetooth blood pressure monitor. Paired through Bluetooth, documented in the Withings app. After downloading the app and pairing the cuff via Bluetooth, it will pump and read your blood pressure for you.
- **Motiv Ring**—Fitness tracker that fits on your finger. Waterproof, heart rate monitor, tracks steps, sleep activity and more
- **GoBe 2**—Using a bioimpedance sensor, the GoBe 2 can track more than just your steps and sleep. It can track your hydration levels and caloric intake by evaluating your body down to the actual cellular level. It can also track emotional stress as well
- **Fitbark**: Track your pooch's steps, activity level, rest and more with the Fitbark. Take your dog out for a walk and help them get their steps in!
- **Bragi Dash**—Earbuds that do everything but make you breakfast! Waterproof, able to store 100 songs, you can make and answer calls and more. It tracks your steps, duration, cadence and heart rate
- **Moto 360**-first highly anticipated watch because it is round and looks less like tech and more like a watch. Uses Android Wear and Google Now. You can get your phone's notifications, email, direction navigation, alarms, step activity, heart rate and more.
- **V-Tech Kidizoom**—Smartwatch for children! You can take pictures, use a calculator, play games, track your fitness and steps, and much more!
- **AliveCor/Kardia**—A mobile ECG monitor! Using your smartphone, and app and the small device, you can gain insight into your heart's activities!
- **Ozmo Smart Cup**—Make sure you get your required amount of liquids with this smart cup. It knows how much water and caffeine and water you are drinking
- **Grush**—Smart toothbrush for kids! Kill monsters in an app by brushing your teeth correctly
- **Wynd**—Personal air purifier

- **Lumo Lift:** A posture notifier that will buzz when you are not standing tall. Learn to sit or stand straight and project confidence through this device.
- **LeapBand by Leap Frog**—Fitness tracker for children. Gets your children active with fitness games and rewards for moving!
- **Muse Headband**—Learn how to meditate and focus using this device. It can read your brainwaves and coach you on the right way to focus and meditate.
- **Spire Wearable**—This device can sense your breathing patterns and determine if you are stressed out. It coaches you on how to relax and take time to calm yourself. It will give you daily breathing exercises to train your way to a more relaxing day.
- **Myo Armband:** This band can sense both your movement and your muscles. Want to change a presentation slide? Simply perform a movement with your hand and let your arm be the remote. Want to turn down your smart devices? Perform simple actions with your hand so that the Myo Armband can sense your muscles and make your movements the command.
- **Grush**—Smart toothbrush for kids! Kill monsters in an app by brushing your teeth correctly

Makerspaces:

- **3Doodler and 3Doodler Start**—3-D Printing Pen, heating plastic sticks similar to a glue gun, you can doodle not just on flat surfaces, but also vertically
- **Circuit Cubes/Whacky Wheels**—build your own car using safe modular blocks and circuits
- **Circuit Scribe**—Using a safe pen with conductive ink, you can draw your own circuits. Comes with lots of sensors to create your own inventions or bring your drawings to life
- **Shinecon VR**—This headset uses your smartphone and free apps to view virtual reality and take you on a destination, from wildlife to space!
- **Samsung Gear VR**—From riding roller coasters to exploring the blood stream or the universe, this headset, using the newer Samsung phones and partnering with Oculus, creates more realistic and curated virtual reality for mobile
- **Oculus Go**—It is the Samsung Gear VR with a built in phone! It is mobile and ready to play great VR content right out of the box

- **Tomo Robot**—This is a great challenge for kids to build their own robot before coding. It is a challenge but teaches engineering through building your own device. It is easy to disassemble for multiple uses
- **Botley Robot**—Coding robot for children ages five and up. Comes with over seventy physical pieces to make coding fun and visual
- **Snap Circuits**—Light version: Similar to Legos, but teaches children and adults about electricity. 182 possible projects for Snap Circuits Lights
- **Dash/Cue Robot**—Younger elementary school children can learn to code with Dash. He has a great personality and is durable for any children's department or room
- **Bloxels**—Using a free app and their board with blocks, children can create their own, live video game using the blocks and their imagination!
- **Osmo**—Using their app and simple tools like a reflector and base for your iPad, Osmo allows the child to play the online game in real life! Using the reflector and their associated game materials (like letters), Osmo can read the real game pieces on the table and easily assimilates them onto the app game itself. This allows the child to play an online game with real material, and encourages collaboration with others. Playosmo.com
- **LittleBits**—Small and inexpensive computer circuits made for teaching programming skills. They are simple circuits that you can snap together using magnets. You can follow the instructions or build your own circuit project
- **Ozobot**—Small robot that can use markers for coding! Turn the robot around, speed it up or slow it down, all through simple code using fat markers. All you need is a white drawing area, red, black, green and blue markers, and the Ozobot
- **Cozmo**—Cosmo is one of the first robots that acts just like us! He gets excited when he sees you, loves to play "Simon Says", gets a bit sad when he loses, and simply loves to explore. He can also let you see through his eyes and teach you skills like coding and math. Everyone wants to be Cozmo's friend
- **Coji**—A small robot that you can drive or code with emojis. It comes with opportunities to play a variety of STEAM focused games, controlled through the Coji app
- **Sphero Ball (SPRK Edition, Mini and Star Wars Edition)**—Robotic ball driven by the downloaded app and your device's Bluetooth for fun or teaching coding and math skills. Download the app, Sphero EDU, for a more focused, educational experience

Smart Devices:

- **SmartThings**—Home automation, funded successfully by Kickstarter. They are wireless sensors and outlets that send information to their app (via the hub). It can tell you if a door or window opens up (using the multisensory), if a light is on (using their outlet) or if there is motion or activity (using a motion sensor).
- **Amazon Echo**—Your own personal assistant. Can be used to teach it skills.
- **Ring Doorbell**—Device that allows you to see who is at your door from anywhere in the world. Get notified on your phone when someone rings your doorbell or even when someone walks in front of it
- **LIFX Lightbulb**—Connects directly via WiFi. Displays all colors of the spectrum. Possibilities are endless (See <http://www.getcampfire.co> app)
- **Amazon Wand**—Scan your items or talk into this wand for direct and quick amazon ordering
- **Amazon Dash Buttons**—Easy and convenient buttons for quick ordering
- **Sengled Snap**—Outdoor lighting with a built-in security camera
- **Tile/Chipolo Bluetooth trackers**-paired with your phone, the little device is made to detect if the object it is attached to goes out of range with your phone. It will create a beep if it goes out of range, and allows you to find it within a certain range
- **Dropcam/Nest**—Cloud security camera with infrared, two-way talk and motion detection. 1080p camera with 137-degree range, it has 8x zoom and night vision, you hook it up via your WiFi and can then view your camera's feed anywhere in your account through the Nest app
- **Smart Pillbox**—Connected pillbox so you get notified when your loved one does not take their medication on time
- **Elgato Eve Degree**—Know what the temperature or humidity is in your home or outside from anywhere in the world with this connected sensor
- **Hue Wireless Dimmer**—Control your lights through this switch. It can be placed anywhere and can be used as a wireless remote as well
- **Switchmate**—turn normal light switches into smart lights. Has voice and motion detection