<table>
<thead>
<tr>
<th>Focus Area: Transportation</th>
<th>Focus Area: Health</th>
<th>Focus Area: Arts &amp; Entertainment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concept Overview:</strong> Human powered transportation that converts kinetic into electrical energy. Collapsible for portability, carbon fiber, durable, parts are compatible, easy to fix/replace.</td>
<td><strong>Concept Overview:</strong> System that uses human exertion of force to purify and fuel devices and supplies. While you move the force and passive energy collected from the sun purify the water storage unit, and charge emergency devices.</td>
<td><strong>Concept Overview:</strong> Manual powered system that uses kinetic energy to interact/play with the user. Also acts as a radio, for entertainment and communications.</td>
</tr>
</tbody>
</table>
### Focus Area: Transportation (iterative)

**Concept Overview:** Foldable & lightweight bike that turns kinetic to electrical energy, and repaired with any standard bike parts.

### Focus Area: Health (parallel)

**Concept Overview:** Collapsible ski & snowboard rig, for land travel, lined with solar film that collects energy passively to charge devices, links with pack.

### Focus Area: Arts & Entertainment (iterative)

**Concept Overview:** Manual powered device that uses the kinetic energy to interact/play with the user. 2-way radio functionality.

---

### Focus Area: Transportation (iterative)

**Concept Overview:** Attachable bike rack that can be mounted to carry a variety of cargo loads, interlocking for a double load for weight dist.

### Focus Area: Health (parallel)

**Concept Overview:** Foldable boat for easy water travel, can double as a tent, with Paddle

### Focus Area: Arts & Entertainment (iterative)

**Concept Overview:** Added functionality in the form of a disc launch game (totally not a frisbee).

---

### Focus Area: Transportation (iterative)

**Concept Overview:** Inspired by the Nexo style tire, no inner-tube, standard wheel frame.

### Focus Area: Health (parallel)

**Concept Overview:** Compact hang glider for air travel, folds, acts as a portable solar panel.

### Focus Area: Arts & Entertainment (iterative)

**Concept Overview:** Creates maps of the area and calculating distance, elevation, radiation, etc.
Primary Attributions
source: Design research project (source: Christopher Dillon @11/1/17)
image: Design Concept Final Images (x9) (source: Christopher Dillon @11/7/17)

Secondary Attributions
source: Discussion on apocalyptic issues (source: http://apocalypticsurvivalguide.com/survival-transportation/ @11/1/17)
source: Nexo Tire (source: https://www.youtube.com/watch?v=bm8P6UYrTCs @11/7/17)
source: Nexo Tire (source: https://www.kickstarter.com/projects/1340586869/nexo-tires-and-ever-tires-flat-free-forever @11/7/17)
source: Porta Bote (source: https://www.porta-bote.com/?gclid=Cj0KCQiArYDQBRDoARIsAMR8s_RCioA-ZHkZFk4KxAe_JNi1xmkdp7eL8seT6SxtL_u9FGfEsPSMFoaArDyEALw_wcB @11/7/17)