Electric Skateboard Design Notebook

**Research and Basic Information**

Battery Pack Creation:

Pack Creation: <https://www.powerstream.com/BPD.htm>

Battery Protection System:

BPS Wiki - <https://en.wikipedia.org/wiki/Battery_management_system>

Battery Balancing - <https://en.wikipedia.org/wiki/Battery_balancing>

Battery Charger - <https://en.wikipedia.org/wiki/Battery_charger>

YouTube, how to build BPS - <https://www.youtube.com/watch?v=1Fs4SfVSsLk>

Look into state of charge theory for battery balancing stuff.

Motor Controller:

Look what motor controller we have in box.

Motor:

Find a motor that will work with the motor controller we already have.

CPU and Bluetooth Connection:

Arduino -

Physical Longboard:

**Design**

Battery Protection System:

Basic Battery Protection Circuit –