Meeting 1
1/17
Thomas Maloney

Battery Power

- Don’t want to discharge the battery too much
- Battery management device - fuel gauges
- Use fuel gauge if battery isn’t rechargeable
- Could use a lithium battery that plugs in like an alkaline
- Could turn it off in the summer

Managing Student information

- Google forms sends to google sheets API
- Could store room information in non-volatile memory in the unit
- Link device to room number, could use QR code

Implementation

- Make sure device is far enough away from the heating system not to overheat
- Note for Thomas - figure out where the heat comes from in the climate control unit
- Device could check in each day to make sure it’s still operating
- Could use a chip with temperature sensor and only have one external sensor

Figure out how to demonstrate the subsystems - work on parts that we don’t know how to do
ESP8266
Chip Makers

- Adafruit
- Sparkfun
- He has ESP8266s and 32s