***The Governor’s STEM Competition***

***Bishop Shanahan High School***

***Regional Competition Materials***

**“Code Blue”**

Stephen Anderson, Angela Herb, Matthew Horger, Andrew Johnson, Conor Waldt

***Prototype Device***

Arduino Uno - <http://store-usa.arduino.cc/products/a000066> - $24.95

SEEED GPRS Shield 2.0 - <http://www.seeedstudio.com/wiki/GPRS_Shield_V2.0> - $47.67

Adafruit GPS Breakout - <http://www.adafruit.com/products/746?gclid=CjwKEAjwwbyxBRCS74T049iEp0wSJACkO5v1dEoEDCtCiWY-iYzkXwzgbzrEL2DffUekabiiw6H3-BoC89Lw_wcB> - $39.95

DHT11 Temperature & Humidity Sensor - <http://www.newegg.com/Product/Product.aspx?Item=9SIA86V2Z37873&Tpk=9SIA86V2Z37873> - $1.50

12v DC Cooling Fan - <http://www.radioshack.com/12vdc-brushless-fan/2730243.html> - $19.99

Pocket Socket 2 — Hand Crank Generator - [https://www.k-tor.com/hand-c](https://www.k-tor.com/hand-crank-generator/)

[rank-generator/](https://www.k-tor.com/hand-crank-generator/) - $64.95

Adafruit Rechargeable Backup Shield - <https://www.adafruit.com/products/2078> - $29.90

Total - $228.91

Remaining Budget - $271.09

Total w/out materials in hand - $202.46

Remaining Budget - $297.54

***Prototype Cart & Enclosure***