Activity 3.1: *LED Power*

Team #3344

Task 1: Solar Panel Experiment 1 Set-Up

- ☑ ~~Plug in the LunaSat~~
- ☑ ~~Select the correct board, processor and port~~
- ☑ ~~Select the correct sketch in Arduino IDE (GLEE_LED_Blink)~~
- ☑ ~~Verify and upload the code to the Arduino~~

Task 2: Set Up the Bridge Connectors and Test

- ☑ ~~Unplug the LunaSat from the FTDI and the colored wires~~
- ☑ ~~Disconnect the connector cables from the LunaSat~~
- ☑ ~~Install P1, P3, and P6 Jumpers~~
- ☑ ~~Verify that the LED on the LunaSat is blinking in direct sunlight~~
- ☑ ~~Verify that the LED is blinking with the back panel facing the Sun~~

Task 3: Explore!

Test out the capabilities of the LunaSat by covering the solar panels (SP).

Trial	Shade How Much of the SP is Covered	Is the LED Still Blinking?	Voltage Reading
01	0	Yes	3,12
02	1	No	2,6
03	2	No	2,1
04	3	No	1,7
05	4	No	1,2

06	5	No	0,6
07	6	No	0,1

How much of the LunaSat can be shaded before the LED stops blinking?