Unit 5 Lab 12
Learning Targets

Essential Questions

- What other services are offered on Adafruit IO?
- How do we use the time service?
- Can we log notifications to a Google sheet?

Key takeaways

- Adafruit IO offers a few other services/integrations that students can use:
  - IFTTT - integration to move data across the internet
  - Zapier - integration to connect AIO to other online applications
  - Weather - AIO Plus ($) service that provides weather data
  - Randomizer - Free service that will provide random MQTT data
  - Time - MQTT service that provides updated clock data
- The Time service can be used to synchronize IoT devices across the internet.
- The IFTTT integration connects AIO to many other different web services:
  - Email triggers can be set up.
  - Data can be logged to a Google spreadsheet.

Teaching Tips

The big idea of Lab 12 is - once data is on an IoT service, there are many ways it can be monitored and used. Integrations with other online services allow numerous possibilities for data visualization, storage or notification.

Free services on AIO such as the Time service can be very useful to keep a large number of battery powered devices in sync.

Lab 12 should provide more ideas for possible final projects.