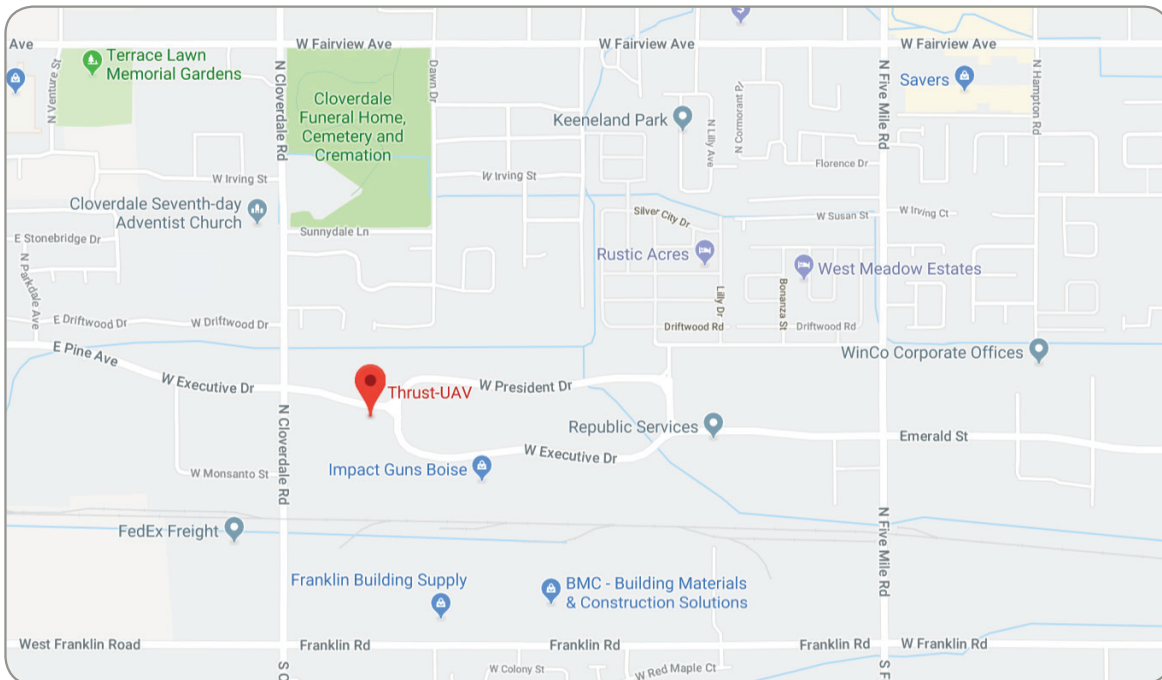


PCS Edventures Introduction to *Discover Drones* Educator Training

DATES: Friday, March 22nd & Saturday, March 23rd **TIME:** 9:00am - 5:00pm

LOCATION: PCS Edventures/Thrust UAV, 11915 W Executive Dr, Boise, ID 83713

TRAINER: Tyler Downey (PCS Edventures)



TRAINING AGENDA:

- UAV Background Knowledge
- RubiQ Build & Configuration
- Pre-flight Check & Safety Practices
- Troubleshooting Resources
- STEM Curriculum Integration
- Implementation Best Practices
- Flight Practice*

**To make this a safe, legal and productive time, completing the first six challenges on the FPV Freerider Flight Simulator Checklist is a mandatory prerequisite to live flight training. Otherwise, training will be conducted on the FPV Freerider flight simulator. Directions for setting up FPV Freerider and using the custom settings for RubiQ can be found on Orange Card 1 of the LABCard curriculum.*

PCS will provide practice RubiQ drones, controllers and FPV goggles for live flight training when applicable. Participants wishing to fly their own RubiQ's need to bring their FAA registration number. (Please visit <https://faadronezone.faa.gov/> and register to Fly Model Aircraft Under Section 336, unless you are a Part 107 pilot).

REQUIRED PREPARATION:

- Install the correct version of INAV, downloaded directly from <https://rubiq.edventures.com/downloads/>
- Install FPV Freerider flight simulator software; check your email for the license keys that are delivered digitally as part of your package
- Complete the first six challenges of the Flight Simulator Checklist found in the back of the Drone Educator Guide. The Taranis radio controllers included in your kit can be connected to FPV Freerider using a mini USB cable. Set the model to Freerider (or RubiQ if working from a Mac) and be sure to calibrate the controller within FPV Freerider. If you don't have Freerider as a preset model, visit <https://rubiq.edventures.com/downloads/> for directions on reflashing your radio controller.
- Register your drone with the FAA by visiting <https://faadronezone.faa.gov/> and registering to Fly Model Aircraft Under Section 336, unless you are a Part 107 pilot.

MATERIALS TO BRING:

Please bring a full set of Discover Drones materials to the training. For those traveling, the minimum materials needed are:

- 1 RubiQ kit, unassembled
- 1 radio controller, fully charged (with included battery charger)
- Tether cable
- 2 LiPo batteries, fully charged — please read all safety and travel instructions carefully.
- The FAA's current policy on traveling with LiPo batteries can be found here: https://www.faa.gov/about/office_org/headquarters_offices/ash/ash_programs/hazmat/passenger_info/media/Airline_passengers_and_batteries.pdf
- LiPo battery charger and LiPo-safe charging bag
- 1 set FPV goggles
- Drone Educator Guide
- Guides for Battery Charger, FPV Goggles and Radio Controller
- List of program objectives or goals
- Computer with INAV and FPV Freerider pre-installed

Coffee and lunch will be provided both days.

CONTACT US:

Questions about the training: tylerdowney@edventures.com

Support: rubiq@edventures.com

