



READY, SET, DRONE II

Grades: 4-8

IDAHO STEM ACTION CENTER 2019



Students: Up to 30

Contact Hours: 12+ hours

Includes 12 days of activities, each designed to last about one hour. Use one lesson a day, clump them together into larger blocks or break them apart to be worked in one at a time throughout the course of a school year.

Recommended Settings:

- Summer camps
- Classrooms looking for hands-on STEAM activities
- After-school programs

Curriculum Topics:

- Essential Drone Knowledge
- Flight Safety
- Basic Piloting & Photo Skills
- Drone Physics
- Drone Rules & Ethics
- Real-World Applications of Drones

Assessment:

The curriculum includes quizzes to test drone knowledge and flight challenges to test piloting skills.

Logistics & Storage:

Each set is shipped in sturdy, reusable tubs, safely storing materials during camp and throughout the year.

Technical Requirements:

One smartphone or tablet required per drone as a radio controller (requires iOS 9.0 or later, or Android 4.4.0 or later; not compatible with FireOS, the operating system for Amazon tablets).

Training Requirement:

Professional development session will be held in Boise, ID in August 2019. Grantees are required to attend.

Materials:

Ready, Set, Drone II comes with an Instructor Guide, a digital curriculum download and all the supplies needed for 12 days of activities:

- BrickLAB packs (over 650 colored bricks): 6
- Colored pencils (12 pk): 12
- Composition notebooks: 30
- Droneology Jr online course licenses: 50
- Extra prop guards: 6
- Extra propellers (set of 4): 6
- Flight Team Lanyards: 30
- LiPo batteries: 12
- LiPo battery multi-charger: 4
- LiPo safe storage bag: 1
- Mini quadcopters: 6
- Pencils (#2): 36
- Safety glasses: 30
- Scissors: 12
- Storage tubs: 3
- Tape: 12
- USB charging cables: 6
- USB multi-port wall charger: 1

* Print curriculum includes Instructor Guide, print copies for 30 students, 50 student licenses to Droneology Jr

** Digital curriculum includes PDF of Instructor Guide and all student pages and 50 student licenses to Droneology Jr

