THE BEST DRONE FOR STEM EDUCATION
Outdoor Comparison Chart

DRONE	*The winner is...* PCS Edventures **RubiQ**	MINDS-I MultiRotor	Onpoynt Cobra	Skydio 2+
Type of Drone Package	Comprehensive STEM Package	Competition	Racing	Professional Certification
Age Range	MS, HS	HS	MS, HS	HS, College
CURRICULUM PACKAGE	**Discover Drones**	**UAV Drones Lab** (prerequisite: STEM Robotics Foundations)	**Not Included**	**Advanced Aerial Education sUAS Curriculum**
Curriculum Included	• Instructor Manual • Student Handouts • Droneology: online series of videos and quizzes • Technical Guides • Print and Digital LMS Options Available	• Instructor Manual • Student Handouts • Slide Presentations • Technical Guides	N/A	• Digital LMS • Student Handouts

Curriculum Topics	• Drone Operations
	• Real-World UAV Applications
	• Integration of STEM Concepts:
	  ◦ Computing Systems
	  ◦ Data Transmission
	  ◦ Electrochemistry
	  ◦ Energy Transfer
	  ◦ Materials Science
	  ◦ Physics of Flight
	  ◦ Systems Thinking
	Preparation for Industry Certification (FAA Remote Pilot License) Available
		• Drone Operations
		• Real-World UAV Applications
		• Integration of STEM Concepts:
		  ◦ Coding
		  ◦ Data Transmission
		  ◦ Electrochemistry
		  ◦ Energy Transfer
		  ◦ Physics of Flight
		  ◦ Systems Thinking
			N/A	• Drone Operations
				• Real-World UAV Applications
				• Integration of STEM Concepts:
				  ◦ Data Transmission
				  ◦ Engineering Design
				  ◦ Physics of Flight
				
				Preparation for Industry Certification (FAA Remote Pilot License)

Curriculum Hours	16 LABCards / 45-hour curriculum with extension options for up to 90 hours	8 Units / 45-hour curriculum with add-on bundles for up to 90 hours	N/A	45 hr
Materials Included	• Drones • All Assembly Tools • Spare Parts • Radio Controllers • FPV Goggles • Batteries & Chargers • Flight Simulator Software & Controllers • Reusable Storage • Safety Equipment	• Drones • Assembly Tools • Spare Parts • Radio Controllers • Batteries & Chargers • Flight Simulator Software • Storage • Safety Equipment	• Drones • All Assembly Tools • Radio Controllers • FPV Goggles • Batteries & Chargers • Racing Flags & Gates • Course Boundary Markers	• Drone chosen based on program needs • Curriculum
Buildable	YES	YES	YES	NO
PV (First Person View) Camera	YES	NO	YES	YES
Photo/Video Camera	NO	NO	NO	YES
Programmable	NO	YES (Waypoint GPS-Based Mission Planning in ArduPilot software)	NO	YES Waypoint GPS-Based Mission Planning in various apps)
Professional Development Resources	• In-Person Training • Live Webinar Training • Digital Library of Support Content • Unlimited Phone Support	• In-Person Training	• 2-day Teacher Training available for additional cost	• 2-Week Intensive In-Person Training
Price	**$3995 for 2-drone base package** *Larger and smaller packages available*	**Request a quote**	**4 drone kit $3,545 with optioanl race timing system tracks each racer's time available for additional $1000**	**Request a quote for curriculum pricing, additional $4600 budget for 2 drones recommended**

Learn more at **edventures.com/collections/drones** or by calling **1 (800) 429-3110**