

### Click Here To Review Current Curriculum Offerings

Offerings & Recommended Drones & Accessories



**Professional Development (virtual meeting/training)** 

#### **Pricing and Licensing Plans**

Curriculum Only (no hardware included)	Grade	Learning Level	Annual One Classroom License	Annual School License			
Package #1: Course: Basic Flight & Coding	3-12	Introductory / Intermediate	×	\$995			
Package #2: After School Program: (Drone Games & Missions and/or Drone Search & Rescue)	3-8	Introductory / Intermediate	×	\$495 each			
Package #3: Camp: Drone Flight Squads Unite	3-8	Introductory / Intermediate	×	\$1,495			
Package #4: Synchronized Dancing Drone (includes: Competition Entry Fee for One Team)	5-8	Intermediate	\$495	×			
Package #5: Course: Python & Node-RED Programming	5-12	Intermediate	\$495	\$2,495			
What's Included an	d Profes	sional Development Pac	kages				
Introductory and Initiation Call	30-minute introductory call						
Complimentary Access: Monthly Webinar	Access to professional development, guest speakers, best practices, new technology						
Complimentary Access: Private Facebook Group  Primary resource for collaborative and interactive Q&A, troubleshooting assistance							

Package 1: 2 x 1-hr sessions= \$420

Package 2: 4 x 1-hr sessions= \$800



# Drobots Suggested Purchase List of Drones and Accessories



#### **Suggested Drones and Remote Controls**

Drobots Suggested Purchase List of Drones and Accessories			Suggested Quantity To Purchase		Use and Durability		Do You Really Need This?		Do You Really Need This?
Product	Item	Link	Ideal	On a Budget	Used For	Rating	Necessity	Alternative	Should I Purchase?
Drone	TELLO Drone	Purchase or Research	1 per 3 students	1 per 4 students	Flying	High	Must Need	TELLO EDU Drone	Yes
Drone	TELLO EDU Drone	Purchase or Research	1 per 3 students	1 per 4 students	Flying	High	Medium Need	TELLO Drone	Depends
	Remote Control for TELLO	Purchase or Research	1 per drone	1 per classroom	Controlling Drone	High	Low Need	You do not need this if you already have compatible mobile devices	Not necessary unless you have students who are really used to remote controls from video game use. However, the mobile device is very similar. The Remote Control allows younger students to easily fly the drone. Note: the remote control has no programming or coding features.
Parrot (Mambo)	Drone	Purchase or Research	1 per 3 students	1 per 4 students	Alternative to the TELLO or TELLO EDU Drone, but the Parrot Mambo is not compatible with some coding programs (ie: DroneBlocks App)	High	Need, if you do not want to purchase the TELLO drone, but still want to code (drone not compatible with DroneBlocks)	TELLO or TELLO EDU Drone	Depends on your intended outcome. If you want to use the Parrot's cool features (grabber and mini cannon) then this is a great drone! However, if you want to use DroneBlocks App, then the Parrot Drone is not compatible.



#### **Suggested Mobile Devices and Computer**

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Product	Item	Link	Ideal	On a Budget	Used For	Rating	Necessity	Alternative	Should I Purchase?
Mobile Device For Flying, Coding	iPad Mobile Device for TELLO or Parrot Mambo	Purchase or Research	1 per 3 students	1 per 4 students	Controlling Drone	High	Medium Need (but you will need a device to control the drone)	Android Device or Chromebook	While this high-end product is ideal, it is not necessary. The advantage of the iPad is that it is the best mobile device on the market. The quality of the camera and the simple, intuitive use is perfect for all grade levels.
Mobile Device For Flying, Coding	Tablet: Android Compatible	Purchase or Research	1 per 3 students	1 per 4 students	Controlling Drone	Medium	Medium Need (but you will need a device to control the drone)	iPad Mini 2 or Chromebook	This is less expensive and about a quarter of the price of an iPad, however, it has slower response rate and less powerful engine. One important note to remember, the Kindle is not an ideal substitute, since the Kindle does not always compatible with the Apps you will need on the device. If you are on a budget, this is the best choice.
Computer for Flying, Coding	Chromebook	Purchase or Research	1 per 2 students	1 per 3+ students	Controlling Drone	High	Medium Need (but you will need a device to control the drone)	iPad Mini 2 or Compatible Android Mobile Device	The advantage of the Chromebook is that it may be used for other activities and usage, beyond simply flying drones. The disadvantage is that the Chromebook is not as mobile when being used, so our suggestion is to only purchase if your curriculum will be conducted inside 1-2 classrooms, with limited use of the gym, multi-purpose room, or outdoor use.



#### **Suggested Obstacles For Drone Flight and Activities**

Drobots Suggested Purchase List of Drones and Accessories			Suggested Quantity To Purchase		Use and Durability		Do You Really Need This?		Do You Really Need This?
Product	Item	Link	Ideal	On a Budget	Used For	Rating	Necessity	Alternative	Should I Purchase?
Obstacle	Obstacle Tower Stand	Purchase or Research	1 per classroom	1 per 8 students	Hang Circular Obstacles from Stand	High	Must Need	Purchasing Other Obstacles at Higher Price Point	Drobots recommends this product, since it is extremely versatile and allows for multiple configurations and uses. Sturdy for both indoor or outdoor use.
Obstacle	Lighting Stand Obstacle Rings	Purchase or Research	1 set per classroom	1 set per classroom	For Drone to Fly Through: 18" Lightweight Circular Rings	High	Must Need	Purchasing Other Obstacles at Higher Price Point	These rings should only be purchased if you are going to purchase the Obstacle Tower
Obstacle	Ground Obstacle Gate	Purchase or Research	1 set per classroom	2 sets per classroom	20" Ground Obstacles For Drone To Fly Through	High	Must Need	Purchasing Other Obstacles at Higher Price Point	These are extremely versatile and durable obstacles that may be used indoors or outdoors. Our strong recommendation is to purchase foam pool noodles, but the pieces to wrap around the octagon-shaped obstacle so when the drone inevitably hits the obstacle, the impact will be limited.



#### **Classroom Organizational and Safety Tools**

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Product	Item	Link	ldeal	On a Budget	Used For	Rating	Necessity	Alternative	Should I Purchase?
Safety Product	Safety Glasses	Purchase or Research	1 set per classroom	1 set per classroom	Protective wear for eyes	High	High. Everyone should be wearing safety glasses	Prescription glasses can be used as a substitute	Yes. No questions asked on safety.
Organizational Tools	Polydots	Purchase or Research	1 set per classroom	2 sets per classroom	9" Heavy, Flat, Rubber Dot Markers For Marking Drone Take-Off and Landing Areas.	High	Medium Need (but extremely helpful for organizational purposes within the classroom)	Other Marker-Like Materials Already At Your School; Painters Tape To Mark The Spots	While these polydots are not a must-have, they are extremely useful for obstacle course building, designating take-off and landing areas, creating safety zones, and aiding in the organization of where students should stand during flight.
Organizational Tools	Disc Cones	Purchase or Research	1 set per classroom	1 set per classroom	7" Safe, Flexible, Durable Markers For Creating Fly Zones, Take-Off and Landing Areas, and Creating Safety Lines.	High	Medium Need (but extremely helpful for organizational purposes within the classroom)	Other Marker-Like Materials Already At Your School; Painters Tape To Mark The Spots	While these disc cones are not a must-have, they are extremely useful for obstacle course building, designating take-off and landing areas, creating safety zones, and aiding in the organization of where students should stand during flight. They last forever and have multiple uses to help organize the classroom and students.



#### Safety LiPo Battery Bags

Drobots Suggested Purchase List of Drones and Accessories			Suggested Quantity To Purchase		Use and Durability		Do You Really Need This?		Do You Really Need This?
Product	Item	Link		On a Budget	Used For	Rating	Necessity	Alternative	Should I Purchase?
Battery Safety Bags	Small LiPo Battery Safety Bags	Purchase or Research	1 set per classroom	1 set per classroom	Used for multiple reasons: Store your batteries in a safe place when not in use; Store your "Ready To Use" batteries during the class or activity.	High	Medium Need (but extremely helpful for organizational purposes within the classroom)	Any approved LiPo Battery safety bag will work, however, please ensure it is LiPo battery safe	Yes. Safety first. Always. Misuse or mis-storage of batteries can cause a fire at anytime.
Battery Safety Bags	Large LiPo Battery Safety Bags	Purchase or Research	1 Bag per classroom	2 Bags per classroom	Used for multiple reasons: Store your recently used and "hot" batteries in a safe place while they cool down, before they are ready to charge again (20-minute cool down period always recommended between usage and re-charging) during class or activity.	High	Must Need	Any approved LiPo Battery safety bag will work, however, please ensure it is LiPo battery safe	Yes. Safety first. Always. Misuse or mis-storage of batteries can cause a fire at anytime.



#### **Recommended LiPo Batteries**

Drobots Suggested Purchase List of Drones and Accessories			Suggested Quantity To Purchase		Use and Durability		Do You Really Need This?		Do You Really Need This?
Product	Item	Link	Ideal	On a Budget	Used For	Rating	Necessity	Alternative	Should I Purchase?
Batteries	TELLO Batteries	Purchase or Research	4 additional batteries per drone	2 additional batteries per drone	To fly the drone. Multiple batteries are a must to increase repetition and flight time.	High	Must Need; We recommend purchasing as many batteries as you can within your budget.	N/A	Yes
Batteries	TELLO Battery Charging Bays	Purchase or Research	1 Charging Bay per drone	1 Charging Bay per drone	Best way to charge the battery externally without having to charge the battery while it is inside and connected to the drone (which means you cannot use the drone during charging).	High	Must Need; We recommend purchasing as many charging bays to accommodate the number of batteries you will need to charge at one time, within your budget.	N/A	Make sure the charging bay is compatible with any new batteries you purchase and want to charge with this charging bay.
Batteries	Parrot Mambo Battery Charging Bays	Purchase or Research	4 Sets Include Additional Batteries and an Included Charging Bay	2 Sets Include Additional Batteries and an Included Charging Bay	To fly the drone. Multiple batteries are a must to increase repetition and flight time. Included charging bays is a bonus	High	Must Need; We recommend purchasing as many batteries as you can within your budget.	N/A	Make sure the charging bay is compatible with any new batteries you purchase and want to charge with this charging bay.



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