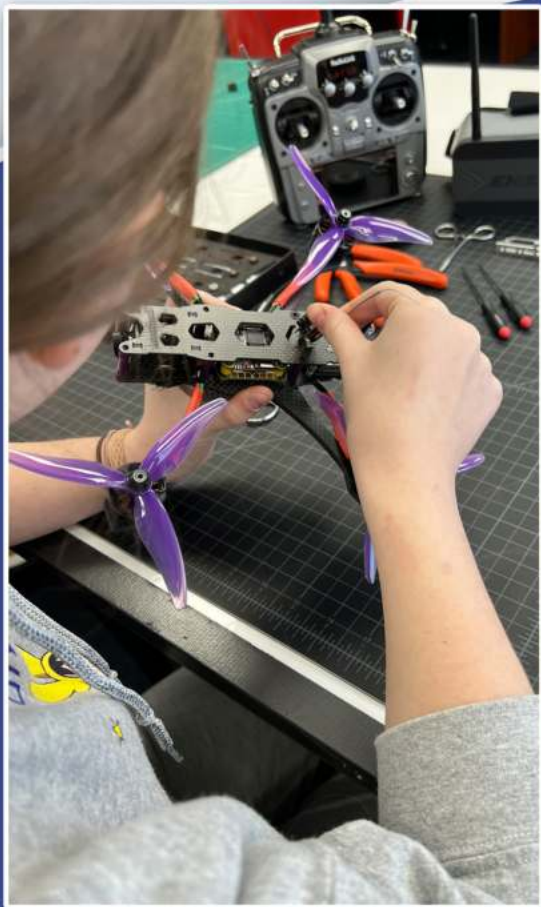


# TSA Drone (UAV) Challenge Starter Packages

The 2023 TSA Drone (UAV) Challenge *Carnival Games* is Underway!

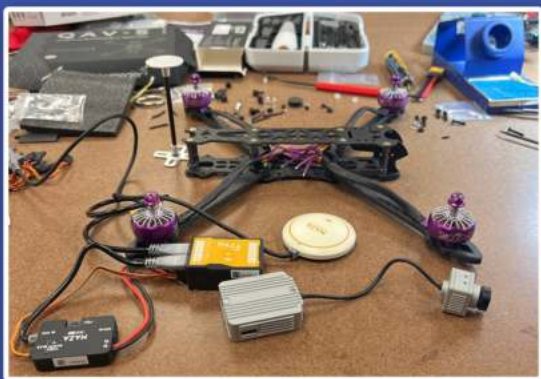


In response to the demand for compatible components, Learning Labs has partnered with leading industry experts to create a series of four starter packages identified as Tiers 1-4. Each starter package contains hardware that will assist in the design and construction of a drone capable of navigating the obstacles and lifting the payloads in the Carnival Games competition.

These starter packages will give your students a head-start and eliminate much of the guesswork. All electrical/electronic components in each package are guaranteed to work together without issue.

Each Starter Package will include the following items:

- Chassis - Carbon Fiber and Aluminum
- Flight Controller (models vary based on the package)
- FPV (First Person View) camera and transmission unit
- FPV Operator Unit (monitor or headgear)
- Radio Control Transmitter and Receiver
- Four High-Power Motors and Propellers
- Battery and Charger (4S Lipo with standard charger)
- Auxillary Release Mechanism Package with Motor
- 2023 Competition Test Items (game components)



The more advanced Tier 3 and Tier 4 packages include:

- Soft Case Storage
- Anti-Vibration Mounts
- Tool Kit

The Tier 4 package includes above items plus a GPS controller.

These options can be purchased separately:

- FPV Monitor 4.3"
- FPV Monitor 7"
- E-Max FPV Headgear
- Fast Charger and LiPo Battery Bag
- 6S LiPo Battery
- Tunnel Challenge (competition Obstacle)
- Additional TX/RX Receiver for RadioLink



# TSA Drone (UAV) Challenge Starter Package Comparison Chart and Pricing

Features	Tier 1	Tier 2	Tier 3	Tier 4
Quadcopter Frame (~230mm)	Carbon Fiber	Carbon Fiber	Carbon Fiber and Aluminum	Carbon Fiber and Aluminum
Flight Controller	SpeedyBee F7 V3	SpeedyBee F7 V3	SpeedyBee F7 V3	DJI NAZA
FPV Transmission and Camera	SpeedyBee T800 and RunCam 720p Camera	SpeedyBee T800 and CADDX Vista Camera	CADDX Polar Transmitter and Camera	DJI OM3 FPV Camera System
Radio Control Transmitter and Receiver	RadioLink 10ch Transmitter and Receiver	RadioLink 10ch Transmitter and Receiver	RadioLink 12ch Transmitter and Receiver	DJI Smart Controller
Motor and Propeller	2306 - 1700kv Motor	2306 - 1700kv Motor	2306 - 1755kv Motor	2306 - 1755kv Motor
FPV Operator Unit	4.3" Monitor	7" Monitor	E-Max FPV Headgear	DJI FPV Headgear
Auxillary Release Mechanism Kit with Motor	Included	Included	Included	Included
Battery and Charger (4S Lipo with Standard Charger)	Included	Included	Included	Included
2022 Competition Test Items	Included	Included	Included	Included
Soft Case Storage	N/A	N/A	Included	Included
Tool Kit	N/A	N/A	Included	Included
Anti-Vibration Mounts	N/A	N/A	Included	Included
GPS Controller	N/A	N/A	N/A	Included
<b>Performance and Functionality</b>				
Programing Performance	★★★	★★★	★★★	★★★★
Ease of Use	★★★	★★★★	★★★★	★★★★
Speed and Performance	★★	★★	★★★	★★★★
<b>Retail Price</b>	\$995.00	\$1,095.00	\$1,350.00	\$2,450.00

Optional Items	Price Each
FPV Monitor 4.3"	\$82.48
FPV Monitor 7"	\$131.99
E-Max FPV Headgear	\$149.99
Fast Charger and LiPo Battery Bag	\$98.99
6S LiPo Battery	\$60.49
Tunnel Challenge	\$31.89
Additional TX/RX Receiver for RadioLink	\$43.99



View our website for more details



Download official TSA 2023 Drone Challenge pdf

Call 1-800-334-4943 if you have questions or would like a formal price quote to include shipping and taxes if applicable.