

VEX AIR

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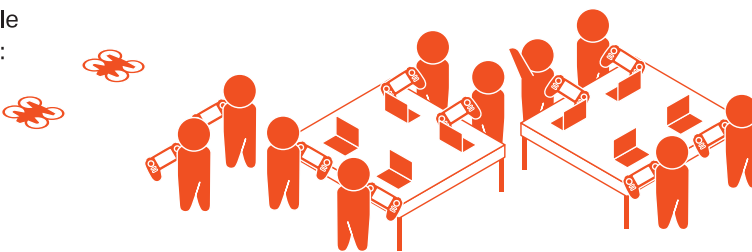
VEX AIR Classroom Bundle

GRADES 9+



A New Way to Teach Drones in School

The VEX AIR Classroom Bundle is built around a different idea: You don't need one drone per student to teach drones well. A large number of drones all flying at once can create a crowded airspace and limit instructional value.



VEX AIR
Classroom Bundle

\$2,999.00

SKU: 737-9400

Classroom Strategy

VEX AIR is designed so all students remain engaged, even when they are not flying, supporting engineering, computer science, and CTE learning goals. At any moment, students are participating in one of the following activities:

Controller Only Activities

- Flight training in the simulator
- Code writing with VEXcode
- Code testing in the simulator

Drone and Controller Activities

- Live drone flight
- Autonomous code flight

This structure keeps the classroom active, focused, and safer.*



Learn to Fly Before Flying

Flying a drone requires learning new hand-eye coordination with spatial reasoning. This new learning curve often includes drones crashing. With the VEX AIR Simulator, students practice until they are ready, before ever taking flight.

Students begin in the VEX AIR Flight Simulator:

- Uses the actual VEX AIR Controller
- Same menus and workflows as real flight
- Skills and learning then transfer directly to flight

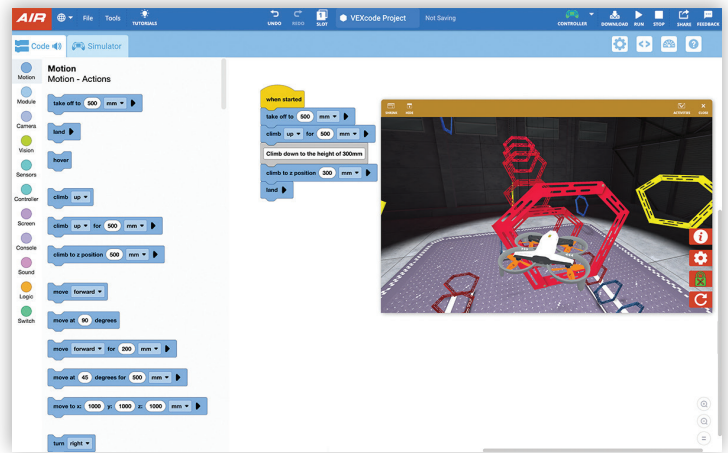
All pricing is in USD and is subject to change without notice.

Computers are not included. Specifications listed are subject to change.

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Coding Without Incidents

Debugging flight code on real drones often leads to crashes and downtime.

With VEX AIR Flight Simulator, students:

- Write code
- Test in simulation
- Refine their code before taking flight
- Code a real drone only when ready
- Learn that debugging is part of the process, not a setback

This reinforces good engineering habits and helps to prepare students for careers, while helping classroom management.

Real Flight, Done Intentionally

When students move to real drones:

- They already know how to use the controller and fly
- Only one or two drones fly at a time
- Airspace remains calm and controlled

Students waiting to fly are coding, testing, or preparing and not waiting idle.

VEX AIR Curriculum Overview

Virtual Flight

- Intro to VEX AIR
- Takeoff Basics
- Flight Controls
- Maneuvering
- Cargo Handling
- How Drones Fly



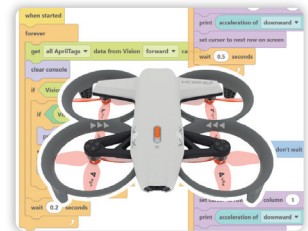
Controller Flight

- Safety & Setup
- First Flight
- Core Piloting
- Advanced Maneuvering
- Payload Mission
- FPV Flying



Coding Flight

- Coding Safety
- First Autonomous Mission
- Precision Control
- Computer Vision
- Autonomous Delivery
- Custom Flight Routines



Classroom Bundle Contents

- Two VEX AIR Controllers
- Two VEX AIR Drones
- Eight VEX AIR Simulator Controllers
- Propellers and other supplies
- Batteries and chargers
- Storage cases

*Fly Safe

- Review and follow Safety and Setup information
- Prepare in advance for safe flying
- Always practice good drone flight safety
- Patent pending Prop Lock system

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