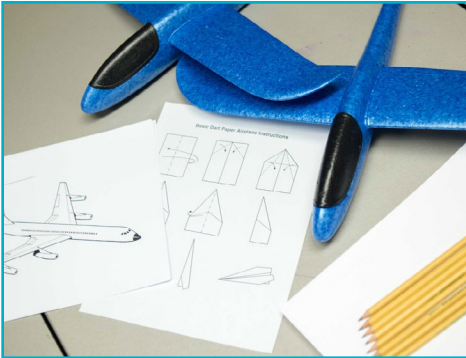


AERONAUTICS



According to the FAA, the number of certified remote pilots in the U.S. is expected to reach 873,000 by 2027, reflecting the rapid expansion of drone-related careers in industries like agriculture, construction, public safety, and logistics.



OVERVIEW

In the Aeronautics Level I Drone Kit, students will learn about the science of travel through the air. Here, they will evaluate the effects of air pressure, discover how birds fly, identify the basic parts of an airplane, and demonstrate an understanding of the concepts of lift and thrust. Using the Engineering Design Process, students will participate in a paper airplane challenge, which will allow them to apply their knowledge in real time to create and improve upon a far-flying paper airplane design. The kit culminates with students examining a real-life drone up close and in flight.

Minimum Instruction Time: 7.5 hours

IN THE KIT

- Drone X-5G (Stealth)
- Markers - Washable
- Twine
- Science Journals
- Balloons
- Styrofoam Planes
- Screwdriver
- Pencils
- Bottle Plastic 12 oz
- Cup - plastic reusable
- Funnels - Plastic
- Funnels - Paper
- Ping Pong Balls
- Props - replacement
- Prop Guards - (Stealth) replacement
- Battery Voltage Testers (Stealth)
- Batteries - AAA
- Battery Charging Bags
- Batteries - Drone - Stealth
- USB Battery Wall Outlets
- Crayons
- Smart charger with cord for Stealth batteries
- Engineering Design Magnets
- Straws - flexible
- Index Cards

SOFTWARE/APPS



Draw and Tell HD
iOS and Android

Device Compatibility: iPad but app can be subbed out with a paper and pencil activity