

The video resources in this package are divided into two categories:

1. The first category, “**Program Videos**,” lists archived versions of our live, interactive student programs that explore multiple concepts and topics related to exploring aviation.
2. The second category, “**Topic Videos**,” includes short videos that deal with a specific topic, issue, event, or person related to exploring aviation. Some of the “topic videos” listed here are also featured in one of the archived live programs. If so, the name of the archived program video is included in parentheses.

More information on each video, including a description of its content, grade levels targeted, and any teacher tools or student tools related to it, can be found on its video play page by clicking on its title below. Time length for each video is provided below and on its video play page.

### **Program Videos:**

Aviation 2: The Science Behind Aviation (59:42)

Aviation 3: Explore! Flying (01:17:29)

Aviation 4: The Science Behind Flight: Soaring the Sky Program 1 (56:45)

Aviation 5: The Science Behind Flight: Soaring the Sky Program 2 (45:58)

### **Topic Videos:**

Aviation 1: Why do airplanes have lights? (00:56)

Aviation 6: How Does That Work—Bernoulli’s Principle (01:42—also seen in Aviation 3: Explore! Flying)

Aviation 7: Gary Liming Experimental Plane Builder (02:13—also seen in Aviation 2: The Science Behind Aviation)

Aviation 8: TV Drones (04:06—also seen in Aviation 2: The Science Behind Aviation)

Aviation 9: Propulsion (01:30—also seen in Aviation 3: Explore! Flying)

Aviation 10: How Does That Work? Flight Control Surfaces of an Airplane (01:03)

Aviation 11: How Does That Work? Helicopters (00:56)

Aviation 12: Drones Safety and Usage (01:59)

Aviation 13: Four Forces that Affect Flight (01:17—also seen in Aviation 3: Explore! Flying)

Aviation 14: Designing a Jet Fighter (07:47—also seen in Aviation 2: The Science Behind Aviation)

Aviation 15: Flying an Aerobatic Stunt Plane (08:55—also seen in Aviation 2: The Science Behind Aviation)

Aviation 16: Flying a Jet Fighter (09:01—also seen in Aviation 2: The Science Behind Aviation)

Aviation 17: Flying a Military Cargo Plane (06:51—also seen in Aviation 2: The Science Behind Aviation)

Aviation 18: Paper Airplanes and Aerodynamics (14:42—also seen in Aviation 2: The Science Behind Aviation)