



# Additional Information and Educator Resources



Although we often fail to recognize it, aviation has connected us in ways that deeply impact our daily lives. When you fly to your favorite destination, consider the places you can go, things you can learn, and people you can meet. Before the invention of the airplane, you would likely have been unable to travel very far at all in your lifetime. Even if you do not fly, consider the people and ideas that have come to you! Without airplanes, your world and your life experiences would be very limited indeed.

A visit to your common grocery store is now an international experience brought to you by the power of flight. When you walk into a grocery store, take note of the fruits and vegetables available to you year-round and that could otherwise not be grown in your geographic region. Most of these items transited the air cargo system in order to arrive as fresh as possible and still maintain a reasonable shelf life.

Perhaps surprisingly, even the local farmer's market is not immune to the impact of aviation. Locally grown flowers might have been germinated from seeds flown from South America, and the farmers who sustain the market might make a portion of their income from air-shipping some of their produce around the nation or around the world.

Although not all imported or exported products are shipped by air, most perishable items do travel by plane because of the speed of air cargo in comparison to ground- or water-based transportation. When making purchases of produce that is out of season locally, it can be fairly easy to deduce if a fruit or vegetable has been primarily shipped by air, water, or ground transportation, depending both upon the distance from the item's origin as well as how quickly the produce ripens and spoils. For example, berries, cherries, peppers, and asparagus are among some of the most frequently air-shipped produce because of their short shelf life. Dry onions and coffee beans are more likely to be shipped more cheaply by boat or ground because of their weight, durability, and ability to withstand long transport times.







An additional digital children's book with informational commentary for adults about NASA's contributions to aeronautics can be found here:

### **With You When You Fly**

NASA's Educator Resource Guide for

### **LIVING IN THE AGE OF AIRPLANES**

<http://www.nasa.gov/sites/default/files/files/Living-in-the-age-of-airplanes-resource-guide.pdf>

To learn more about the beauty of flight, its impact on our lives, and NASA's contributions to aviation, please check out the following resources.

NASA Aeronautics: <http://www.nasa.gov/topics/aeronautics/index>

- Aeronautics Education Teacher Resources
  - *Aeronautics for Pre-K* (Pre-K/Early Education)
  - *Museum in a Box* (Elementary – High School)
  - *Aeronautics for Introductory Physics* (High School – Introductory College)
- Lithographs: *NASA's Contributions to Aviation, Parts of an Airplane*
- Videos, News, Updates
- App: *Sector 33* air traffic control game
- e-Books

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<http://www.aeronautics.nasa.gov/education.htm>

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