

Day 1

- Introduction. "Connecting Content to Aviation Improves Student Engagement"
- Wing on a String activity with post-activity discussion on applications
- The Wright Brothers versus Santos Dumont with video "Wings of Madness"
- Balloon races with post-activity discussion on applications
- Design and build balsa gliders and discuss aspect ratio and stability
- Learn to use latitude and longitude on an aviation chart
- Learn the difference between measuring angles in math versus on a map
- Learn to plan a flight
- Learn to use an E6B
- Build "Propellacothers" and discuss applications

Day 2

- Review various free resources for teachers of aviation
- Take a tour of the Idaho Falls airport
- Go on a plane ride (CAP or Avcenter Discovery Flights)