



STEM FLIGHTS

MISSION CHECKLIST

Student: _____ Pilot: _____

Student Mission: _____ Date: _____

GROUND INTRODUCTION (10 - 15 min)

1. Share Pilot Mentor & Student backgrounds. Ask Student their school/aviation/job interests.
2. Discuss selected Student Mission, verify online learning completed & review.
3. Discuss flight overview, [Learning Objectives](#), and other topics of interest.

FLIGHT PREPARATION (15 - 20 min)

1. Confirm pilot readiness: medical, flight review, a/c airworthiness.
2. Complete any additional waivers (if inviting family members).
3. Confirm weather is VFR and winds are within personal/aircraft limits. Demo AWOS/ATIS.
4. Discuss airport orientation & safety procedures. FBO, ramp, taxiway, runway.
5. Review aeronautical map (or device) and locate airport. Record airport IATA Code: _____
6. Record the aircraft N-number: _____ Make/Model: _____
7. Using the [Learning Objectives](#), plan tasks to complete for this mission.
 1. _____
 2. _____
 3. _____
 4. _____
8. Complete aircraft pre-flight (a sample portion) and safety briefing. Emphasize use of Checklist.

FLIGHT (40 - 50 min)

1. Accomplish tasks listed above. Discuss STEM concepts & career options.

POST-FLIGHT (10 - 15 min)

1. Aircraft parking, shut-down, and post-flight procedures. Emphasize checklist.
2. Mission debrief review of flight, questions, discuss any local aviation opportunities.
3. Present Certificate of Completion and take photos, please send photos to info@stemflights.org. Surveys will be emailed to Student & Pilot.
4. **Pilot:** Close out mission on the STEM Flights website or by emailing info@stemflights.org