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. Verbally verify Student waiver was electronically signed online (ask parent). Submit any additional waivers using the mobile app or paper copy before the flight.
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