



# STEM FLIGHTS

## STUDENT CHECKLIST

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_

Student Mission Area: \_\_\_\_\_

### PRE-FLIGHT

1. Complete on-line Mission Training. Meet Pilot Mentor (PM) at your local airport.
2. Airport orientation & safety procedures with PM.
3. Review local aeronautical map and locate the airport. Record IATA Code: \_\_\_\_\_
4. Record the aircraft N-number: \_\_\_\_\_ Make/Model: \_\_\_\_\_
5. Review mission objectives & checklist with PM.
6. Ask questions about your selected mission, career pathways, and aviation background of your Pilot Mentor.
7. Complete aircraft pre-flight and safety briefing.

### FLIGHT

1. Demonstration of radio, taxi, takeoff, and climb procedures techniques. Record:  
Winds \_\_\_\_\_ Pressure \_\_\_\_\_ T.O. Runway \_\_\_\_\_ T.O. Speed \_\_\_\_\_
2. Cruise tasks: Level-off, power management, controls, and engine instruments.
3. Demonstration/discussion of heading, airspeed, and altitude instruments.
4. Demonstration of flight maneuvers including turns, climbs, and descents.
5. Accomplish Student Checklist Items for selected Mission.
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_

(use back of checklist if needed)
6. Return to airport, descent and landing procedures and techniques.
7. Make landing pattern radio call: \_\_\_\_\_
8. Aircraft parking, shut-down, and post-flight procedures.
9. Record Flight Time: \_\_\_\_\_

### POST-FLIGHT

1. Secure the aircraft & take photos and selfies with Pilot.
2. Mission debrief, ask questions, thank your Pilot Mentor.
3. Review Student Checklist, receive certificate of completion.
4. Student survey will be emailed to you, send photos to [info@stemflights.org](mailto:info@stemflights.org)