

# **POWERED PARACHUTE FLIGHT INSTRUCTION**

## **General Curriculum**

Revised August 2006

### **Flying Skills**

#### **1. Demonstration flight**

- What it's like to fly a PPC
- Throttle control
- Steering line manipulation

#### **2. Taxiing the aircraft**

- Speed control (throttle)
- Steering (eyes ahead)
- Engine shutdown

#### **3. Takeoffs & Landings**

- Takeoffs
  - Acceleration
  - Chute checking
  - Pedal verification
  - Climb out
- Landings
  - Descent
  - Touch and go
  - Control on runway

### **Aviation Knowledge**

#### **1. How a PPC flies**

- Components of flight
  - Weight
  - Lift
  - Thrust
  - Drag
- Angle of attack

#### **2. Chute layout and care**

- Ultraviolet rays
- Folding
- Line care
- Prepare for takeoff

#### **3. The Pattern**

- Active runway
- Standard turns
- Communication
- Altitude
- Ground control

## **Flying Skills (cont.)**

### **4. In-flight steering**

- Takeoffs
- Touch and Go
- Enroute flying
  - Simple turns
  - Climbs, descents
  - Wind awareness

### **5. Maneuvers**

- S-turns
- Turns about a point
- Climbing turns
- Descending turns
- Low flying

### **6. Supervised Solo**

- Readiness
- Radio procedures
- Solo
  - Takeoff
  - Airfield passes
  - Landing

## **Aviation Knowledge (cont.)**

### **2. Preflight**

- Fuel and oil
- Chute and lines
- Engine
- Warm-up
- Checklist

### **4. Weather**

- Winds
- Cloud formations
- Density altitude

### **5. Attitude**

- Judgment
- Risks
- Aircraft limits
- Pilot limits
- Experience
- Judgment!!
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