

Student Guide

Pre-Solo

Lesson #9 Reading Assignment: Pre-solo Quiz, Glider Operating Manual

Ground Instruction: 50 min.

Preflight: 30 min.

- Review Boxing Wake
- Review Tow Signals
- Review Stalls
- Discuss Spin Entry & Recovery
- Discuss Off-Field Landings - No Altimeter
- Review Field Selection
- Review X-Wind and Spot Landings

Post Flight: 20 min.

- Grade Card & Answer Questions
- Quiz on Spin Entry & Recovery
- Quiz on Off-Field Landings

Lesson #10

Ground Instruction: 50 min.

Preflight: 30 min.

- Administer Pre-solo Written Quiz
- Answer Questions
- Review Landings

Post Flight: 20 min.

- Grade Card & Answer Questions
- Discuss Solo Responsibilities
- Award 'A' Badge
- Review Post-solo Training
- Supervised Solos
- Dual Training

Flight Instruction: 30 min.

2 Flights

- Tow – Box Wake, Slack Line
- Stalls – Turning & Straight
- Tow Signals – Release 'Now' Signal
- Spin Entry & Recovery
- Off-Field Landings – No Altimeter
- Turns – Left & Right Coordination
- X-Wind and Spot Landings

Flight Instruction: 30 min.

2 Flights

- Tow – Box Wake, Slack Line
- Stalls – Turning & Straight
- Steep Turns Left & Right
- Turns – Left & Right Coordination
- Normal & X-Wind Landings

First Supervised Solo – Condition 1
Complete 'A' Badge

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Lesson #11 Ground Training: 90 min. Review PTS (see PTS guide)

- I. Preflight Preparation
 - B. Task: Weather Information
 - D. Task: Performance and Limitations
 - E. Task: Aeromedical Factors

Flight Training: 1 Dual Flight, 2 Solo Flights
Practice turns, coordination, flight at minimum control speed, thermaling.

Lesson #12 Ground Training: 90 min. Review PTS (see PTS guide)

- I. Preflight Preparation
 - A. Task: Certificates and Documents
 - C. Task: Operations of Systems
- II. Preflight Procedures
 - A. Task: Assembly

Flight Training: 1 Dual Flight, 2 Solo Flights
Practice boxing wake, turns, coordination, steep turns, thermaling.

Lesson #13 Ground Training: 90 min. Review PTS (see PTS guide)

- II. Preflight Procedures
 - B. Task: Ground Handling
 - C. Task: Preflight Inspections
 - D. Task: Cockpit Management
 - E. Task: Visual Signals

Flight Training: 1 Dual Flight, 2 Solo Flights - Upgrade to Condition level 2
Practice boxing wake, turns, coordination, steep turns, thermaling.

Lesson #14 Ground Training: 90 min. Review PTS (see PTS guide)

- III. Airport and Gliderport Operations
 - A. Task: Radio Communications
 - B. Task: Traffic Patterns
 - C. Task: Airport, Runway, and Taxiway Signs, Markings and Lighting

Flight Training: 1 Dual Flight, 2 Solo Flights - Upgrade to Condition level 2
Practice spirals, flight at minimum control speeds, turns, coordination, and thermaling.

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Lesson #15 Ground Training: 90 min. Review PTS (see PTS guide)

IV. Launches and Landings

Aero Tow: Tasks A thru G

Landings: Tasks Q thru S

Flight Training: 2 Dual Flights, 1 Solo Flight - Upgrade to Condition level 3
Practice boxing wake, slack line, steep turns, stalls, flight at minimum control speeds, spirals, turns, coordination, thermaling. Review ground and flight procedures to solo single place sailplane. Obtain 'B' badge.

Lesson #16 Ground Training: 90 min. Review PTS (see PTS guide)

V. Performance Airspeeds

A. Task: Minimum Sink Airspeed

B. Task: Speed to Fly

VI. Soaring Techniques

A. Task: Thermal Soaring

B. Task: Ridge and Slope Soaring

C. Task: Wave Soaring

Flight Training: 2 Solo Flights

Practice thermaling, turns, and coordination, spot landings

Lesson #17 Ground Training: 90 min. Review PTS (see PTS guide) GFH Chapter 11

VII. Performance Maneuvers

A. Task: Straight Glides

B. Task: Turns to Headings

C. Task: Steep Turns

VIII. Navigation

A. Task: Flight Preparations and Planning

B. Task: National Airspace System

Flight Training: 2 Solo Flights

Practice thermaling, steep turns, and coordination. Obtain 'C' badge.

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Post-Solo

Lesson #18 Ground Training: 90 min. Review PTS (see PTS guide)

IX. Slow Flight and Stalls

A. Task: Maneuvering at minimum control airspeed

B. Task: Stall recognition and recovery

X. Emergency Operation

A. Task: Simulated Off-Airport Landings

B. Task: Emergency Equipment and Survival Gear

XI. Postflight Procedures

A. Task: After-Landing and Securing

Preparation and endorsement for written test

Flight Training: 2 Solo Flights

Practice thermaling, steep turns, and coordination.

Lesson #19-21

Flight Training: 6 Solo Flights

Practice all maneuvers for license test per the PTS

Lesson #22-23

Ground Training: 3-5 hours

Evaluate all Tasks for oral exam per the PTS

Review written test results

Endorsement for license test

Flight Training: 6 Dual Flights

Evaluate all maneuvers Tasks for license test per the PTS

Future Goals

SSA Bronze Badge

FAI Silver Badge

Commercial Glider Pilot Certificate

Flight Instructor Certificate

FAI Gold Badge

FAI Diamonds

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