

PRIVATE PILOT LESSON PLANS

3rd Edition - June 2025

DO NOT REPLICATE

created by @firecracker.aviation for Girls Love to Fly



A NOTE FOR INSTRUCTORS & STUDENTS

Thank you for choosing **Girls Love to Fly** for your flight training! We're excited to get started. This syllabus was specifically formulated for our organization & students under a **PART 61** training regimen.

It is the **student's responsibility** to show up prepared to each lesson, with the assigned reading assignments completed. The reading may be substituted with whatever the flight instructor recommends, however, we do encourage students to become familiar with the reading material that is referenced in this guide.

This lesson plan document is solely for those training with **Girls Love to Fly instructors.** It is not meant to be copied or dispersed to any third party students, instructors, companies or persons.

We greatly appreciate **any feedback** that our students & instructors would like to provide to help us continue improving these lesson plans. Flight training is ever evolving, & we're dedicated to continue evolving with it.

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Private Pilot Lesson Plans Hyperlinked Resources

Each lesson includes **Additional Reading** with hyperlinked resources, and we also provide a list of websites you'll need to access such as IACRA.

To access these links, we've provided a digital PDF download option below so that students & CFIs can take advantage of the extra study material.

Please follow the instructions:

- 1. Scan the QR Code Below. It'll take you to a web page that will allow you to download the entire GLTF Private Pilot Lesson Plan document in PDF form.
- 2. Enter the discount code GLTFPPL to gain access to the document for free. It is free only with your purchase of the GLTF Training Binder
- 3. Enter your checkout information. INCLUDE YOUR EMAIL.
- 4. Click Authorize Purchase
- 5. You'll receive a link to download the PDF in your email. If you stay on the Thank You page, it'll also generate a link there.





Private Pilot Lesson Plans

Items for Your Training

Below you'll find a list of items you'll need to supplement your training. Many of the textbooks listed can be found for free online, specifically from the FAA.

We recommend downloading an electronic flight bag app as soon as practical, as you'll be using one primarily for your charts.

ForeFlight is the most popular option, but it is not the only one.

- 1. Current FAR/AIM (free with ForeFlight and online ground schools)
- 2. Private Pilot ACS (Free online)
- 3. Pilot's Handbook of Aeronautical Knowledge
- 4. Airplane Flying Handbook
- 5. Copy of Aircraft Handbook (talk to CFI about this)
- 6. ForeFlight app or similar
- 7. Paper VFR Sectional Chart
- 8. Plotter
- 9. E6B Calculator (Digital is ok)
- 10. Headset (GLTF has one available for use)
- 11. Pen for Notes
- 12. Logbook (Digital is ok)
- 13. Flight Bag (any bag that can fit well in the plane is ok)



Private Pilot Lesson Plans

Documentation You'll Need

There are several documents you'll need to provide and apply for to complete your training. They are listed below, along with helpful links.

- 1. **Proof of Citizenship:** Birth Certificate or U.S. Passport
 - a. This must be provided on your *first flight lesson*, where you'll receive a TSA endorsement from your CFI in your logbook.
- 2. **Third Class Medical:** All pilots are required to have a medical certificate, showcasing that they are fit to fly. If you're a student, you only need a Third Class. However, if you plan to pursue a career as a pilot, we recommend going straight for your First Class Medical to ensure you qualify.
 - a. You'll need to fill out a <u>MEDXPRESS FORM</u> and schedule an appointment with an Aviation Medical Examiner. Some local options are **Rita Bermudez (916) 444-7137 and Gary Gramm (916) 652-0427**. Other options can be located <u>HERE.</u>
- 3. **Student Pilot Certificate:** Complete the IACRA application with your CFI <u>here</u>.
- 4. Written Test: After completing a ground school, typically online, you'll need to take the Private Pilot Airplane Knowledge Test. Local testing facilities can be found in Sacramento, Lincoln and Auburn. You can schedule your test <u>here</u>. You need a 70% to pass. It is 65 multiple choice questions, which you'll have 2 hours to complete.
- 5.**8710 Form:** Prior to your practical exam (checkride), you'll need to complete another IACRA application, but this time for your Private Pilot Certificate. You'll need to add up your hours and submit them to the FAA. Do this with your CFI.



Private Pilot Lesson Plans Completing Each Lesson

Welcome to flight training! The syllabus is structured with three stages & has been curated specifically for the Private Pilot training under 14 CFR Part 61. Each lesson includes a recommended Ground Content time & recommended Flight Time. It is ultimately the responsibility of the flight instructor & student to determine what works best. This syllabus is most ideal for lessons 2.5-3 hours long.

Ground content can be reduced & supplemented with separate ground focused lessons aside from flight training. There is an outline of ground topics preceding each stage of the syllabus to provide guidance for the instructor & student.

Each item under **Ground Content & Flight Activities** should be checked off to signify it's been completed in a satisfactory manner. If the activity was not completed or performance was unsatisfactory, **it should be left blank.**





In the case of incomplete tasks, the "Re-Do" box should be checked in the top left corner of the lesson page. Whatever is unchecked is **the item that needs to be redone in the next lesson**. Once it is completed in a satisfactory manner, the box can be checked & the lesson **can be deemed complete**.



Private Pilot Lesson Plans Completing Each Lesson

The completion standards at the end of each lesson are structured based on the FAA-S-ACS-6B Private Pilot Airman Certification Standards. It is in the student's best interest to be familiar with the ACS Standards throughout their training.

Students & Instructors should refer to FAA-H-8083-3, FAA-H-8083-2, & FAA-H-8083-25 for more information on aeronautical knowledge & training.

Reading Due can be used as guidance for the student in their ground studies. FAA-H-8083-3, FAA-H-8083-2, FAA-H-8083-25, & Advisory Circulars will be utilized as resources under this section.

READING DUE:

- Airplane Flying Handbook (Chapter 2 & 3)
- Pilot's Handbook of Aeronautical Knowledge (Chapter 1 & 2)

Additional Reading will provide supplemental resources that can be used in addition to the student's ground course & reading.

It is the responsibility of the student to show up to each lesson prepared & any assigned reading or homework completed as appropriate. For optimum effectiveness, it is strongly recommended that the student **complete their ground studies prior to flight training.** However, that is up to the discretion of the student & instructor.

The **Completion Standards** & **Objectives** should be discussed during both the pre-flight brief & the post-flight debrief. It is best practice to **keep students informed of the parameters that they must follow for each flight activity.**

The Instructor should record the actual **Ground Time** & **Flight Time** that elapsed during the lesson, write down any relevant notes & complete the page with their signature.



Private Pilot Lesson Plans Structuring Your Lessons

The syllabus is divided into three stages. Stage 1 is the **Pre-Solo** phase where the student develops basic flying skills & coordination. Stage 2 is the **Cross Country/Night Flight** phase, during which the student will develop their aeronautical decision making, navigation skills, & risk mitigation.

Stage 3 is **Checkride Prep**, meant for students to hone their skills & techniques for aviating, navigating & communicating prior to their Practical Exam.

At the latest, the student's Practical Exam should be scheduled after Stage 1 has been completed to accommodate possible scheduling conflicts.

Each lesson should be divided into three parts:

1	Pre-Flight Brief	2 Flight
• • • •	Review previous flight lesson. Review all objectives & completion standards for current lesson. Chair fly as necessary. Plot out the plan of action for the flight. Review any questions.	 Follow the plan of action as discussed. Abide by 14 CFR Part 91. Perform appropriate checklists & briefings. Student develops "PIC" capabilities.
	3	Post-Flight Debrief

- Airplane is properly secured.
- Evaluate all flight activities & review completion standards.
- Check off completed tasks & discuss student performance.
- Recommendations for improvement.
- Briefly preview the next lesson & expectations.

An essential part of flying & flight training is **proper preparation.** The student should complete any & all at-home assignments, & the instructor should ensure the student is aware of each lesson's expectations & available resources.



Private Pilot Lesson Plans Stage Checks

The stage check is an evaluation not only of student progress, but also of the instruction received. It is an assessment point for continuous improvement at the individual level & for the flight school at large. It also exposes students to flying with someone in the right seat other than their CFI.

Stage checks are designed to verify you have command of the airplane through all flight maneuvers, you demonstrate safe aeronautical decision making, & conduct yourself through situations calmly & effectively. The stage check instructor will ensure you perform all briefings, checklists, & proper procedures without needing to prompt you.

This syllabus is designed with **three** stage checks: pre-solo, pre-solo cross country, & pre-practical exam.

Stage checks must be conducted by an instructor other than your primary CFI.

Stage checks should include at least **1.0 hour of ground, & a 1.5 hour flight.**



Private Pilot Lesson Plans Logbook Etiquette

Whether it's a paper logbook or an electronic one, a pilot's logbook is a **legal document** that should be treated as such. Logbooks should be filled out in **blue or black pen ink** with **legible handwriting.**

ALL PILOT'S SHOULD PUT THEIR NAME IN THEIR LOGBOOK ON THE DESIGNATED PAGE.

It is the pilot's responsibility to maintain their logbook in a clean & respectful manner. Keep the logbook in a **safe, dry place** & avoid opening it around food or drink. If at all possible, keep your logbook in a locked safe when at home. **There are numerous stories about pilots losing their logbooks** because they left it in their flight bag in their car, & then their car got broken into.

If you make a mistake on an entry, **try to avoid using white out.** Instead, draw a line through the entire block & start a new entry completely.

Once a page is finished, **tally up all the numbers in pencil** at the bottom. Afterwards, the student should sign the logbook page to verify that the numbers are honest.

Flight Instructors, ensure all entries are accurate & that you have signed all the appropriate logs. Try to keep your signature in a consistent spot on the pages, & **include your certificate number followed by "CFI"** & the expiration date of your flight instructor certificate.

Flight Instructors should also **log any ground lessons** that they conduct in the back of the logbook in the designated "Ground Training" section of the logbook. You can also use the "memoranda" section if that is the only thing available. Include the topics discussed & the length of time. Sign it as you normally would.

If you do not log your ground lessons as above, you must **provide an endorsement stating you've conducted the required ground training** prior to the student's Practical Exam. Or, the student must obtain a certificate from their online ground school course.



Private Pilot Lesson Plans Logbook Etiquette

For the "Remarks" section of the logbook, it is up to Flight Instructor discretion how they would like to fill it out. You can either write items such as **"GLTF Lesson 1**", or list out the activities such as, **"Steep Turns, Slow Flight, Stall Series...**"

Another option is referring to CFR 61.107 (b) (i-xii). For example, a lesson on slow flight, stalls & ground reference maneuvers can be logged as **"Flight training per 61.107(b)(vi)(viii)"**

Private Pilot Lesson Plans Endorsements Prior to Training

Refer to AC. <u>61.65(j)</u> for a full list of endorsements.

Endorsement of U.S. citizenship recommended by the Transportation Security Administration (TSA): Title 49 of the Code of Federal Regulations (49 CFR) § 1552.3(h).

The flight instructor must keep a copy of the documents used to provide proof of citizenship for 5 years or make the following endorsement in the student's logbook and the instructor's logbook or other record used to record flight student endorsements with the following:

I certify that [First name, MI, Last name] has presented me a [type of document presented, such as a U.S. birth certificate or U.S. passport, and the relevant control or sequential number on the document, if any] establishing that [he or she] is a U.S. citizen or national in accordance with 49 CFR § 1552.3(h).



Private Pilot Lesson Plans GROUND TOPICS Stage 1

The syllabus is designed with 30-60 minutes of ground before each lesson. However, this structure may not accommodate the instructor or student's schedule. Instructors can utilize this checklist of ground topics to schedule separate ground lessons accordingly in between flight training or on poor weather days. Students can use it as a roadmap for their training so they can prepare for their lessons independently.

Lessons 1-6	Lessons 7-9
Four Forces of Flight	Pitot Static System
3 Axes of an Aircraft	Vacuum System
Basic Aerodynamics	Types of Speeds
 Theories of Lift 	Wind Correction
 Types of Drag 	 Crosswind Component
 Load Factor 	 Headwind Component
 Components of Lift 	 Tailwind Component
Stall Characteristics	 Taxi Corrections
 Angle of Attack 	Traffic Pattern Operations
• Stall Speeds	• AC 90-66C
Ground Effect	 Radio Calls
Primary & Secondary Flight Controls	 Runway Incursion Avoidance
ADM	 Airport Markings
• PAVE & IMSAFE	Weight & Balance
• SRM	Weather Reports
Weight & Balance	• METAR
Lessons 10-12	• TAF
	 AWOS/ASOS/ATIS
Weather Theory	POH/AFM Data
Weather Reports/Charts	Lessons 13-18
 Prognostic Charts 	
 SIGMET/AIRMET 	Emergency Scenarios
 Winds Aloft 	AOPA Crash Analysis Videos
 GFA Tool on <u>aviationweather.gov</u> 	Aircraft Systems
CRM & SRM	 Electrical
Airport Operations	• Fuel
• Marshaling	 Ignition
 Lighting & Signage 	 Heating
 Runway Incursion Avoidance 	Aircraft POH/AFM
 Airport Diagrams 	Aeromedical Factors
Energy Management	Review Stage 1 Knowledge Test
 Pitch & Power 	

• Kinetic vs Potential



Private Pilot Lesson Plans Recommended Videos

Below is a compilation of videos highly recommended by our team of flight instructors that we believe will be **valuable supplemental material** for maneuvers training and ground studying in the Private Pilot lesson plans. Each lesson will also have additional reading options, which are not included in this list.

Watching each video **ACTIVELY** (pausing and taking notes) will make a huge difference in your ground knowledge and save you **time and money.**

Weather	Aerodynamics
 Weather Basics PPL Checkride Prep - Mastering Weather Weather Reports Pressure Altitude vs Density Altitude Four Types of Fronts Explained 	 Load Factor Explained How Does Lift Work? Why Maneuvering Speed Changes with Weight How Center of Gravity Affects Flight Airplane Stability Explained What is Ground Effect? (Wake Turbulence also)
Manauwara & Landinga	Airspace
Maneuvers & Landings	Airspace Made Easy in 8 Minutes
Crosswind Landings - Side Slips and Crab	Airspace Private Pilot Knowledge
 Side Slips vs Forward Slips Working on Better Landings 	Miscellaneous
How to Ace Power On/Off Stalls	
How to Ace Steep Turns	Mock Private Pilot Checkride Flight
Secret to Perfect Steep Turns	<u>Class D VFR Communications</u>
Turns Around a Point	VFR Flight Following
S Turns	<u>Complete PPL Ground Course Videos</u> (64 videos)

Complete:

Re-Do: 🗖

1



Date:	

Student:

Private Pilot Lesson Plans Lesson #1

During this lesson, the CFI will introduce the student to the proper pre-flight, postflight & airport security procedures. Discussion should include checklists, ADM, & any appropriate procedures relevant to the flight school.

2 Motivation

It's essential that the student understands the importance of standard operating procedures & consistency so that they can execute safe flying operations.

3 Objective

The student will understand the variety of preflight checklists such as PAVE & IMSAFE, as well as the proper procedures for pre-flighting the aircraft & any associated post-flight items to properly secure the aircraft.

GROUND CONTENT

Introduction

R

FLIGHT ACTIVITIES

Use of checklists	Avionics Operations
PAVE, IMSAFE	Use of Checklists
Pilot & aircraft documentation	Runway Incursion Avoidance
Aeronautical Decision Making	🗖 Engine start, taxi, run up
Preflight Procedures	Climb & Level Off
Post-flight Procedures	Clearing Turns
Airport security & diagram	Straight & Level Flight
Aircraft Controls (Primary/Secondary)	Use of Trim
	Shallow Banked Turns
(Pecommend 10)	Descent & Level Off
	Aileron/Rudder Coordination
EADING DUE:	Collision Avoidance (Clear the area)
Airplane Flying Handbook (Chapter 2 & 3)	After Landing/Securing
Pilot's Handbook of Aeronautical Knowledge (Chapter 1 & 2)	Flight time:

Additional Reading: <u>AOPA - How to Preflight</u> <u>Boldmethod - Flight Control Check</u>

NOTES:

CFI SIGNATURE:

Complete:





Date:	

Student:

Private Pilot Lesson Plans Lesson #2

2 1 Introduction Motivation Slow flight develops the ability to recognize We fly slow flight during critical phases changes in aircraft flight characteristics & of flight: takeoff & landing. We must control effectiveness at critically slow develop stall awareness & understand airspeeds in various configurations. the aerodynamic concepts that will keep us stable. 3 Objective The student will have a thorough understanding of the relationship between AOA, airspeed, load factor, power settings, airplane weight, CG, attitude & yaw effects. **GROUND CONTENT FLIGHT ACTIVITIES** Angle of Attack Preflight Operations Weight & Balance Use of Checklists Increase/Decrease in Stall Speeds 🔲 Engine Start & Run Up Effects of Speed on Controls Takeoff & Climb Out Load Factor Training Area Familiarization Axes of Aircraft Clearing Turns Pre-Flight Briefing Aileron/Rudder Coordination Training Area Operations Slow Flight Descents & Climbs Slow Flight in a Bank Ground time:__ Pitch & Power Changes (Recommend 1.0) Different Configurations **READING DUE:** After Landing/Securing • Airplane Flying Handbook (Chapter 5) Pilot's Handbook of Aeronautical Flight time:_ Knowledge (Chapter 4 & 5) (Recommend 1.5) Private Pilot ACS - Slow Flight

Additional Reading: AOPA - Turns in Slow Flight

Boldmethod - Aerodynamics of Slow Flight

COMPLETION STANDARDS: ±100[°]. ±10[°] heading, ±10[°] bank ±10 kts

CFI SIGNATURE:

Complete:



1



Date:	

Student:

Private Pilot Lesson Plans Lesson #3

Stalls do NOT occur without warning, there

Introduction

are multiple contributing factors that lead up to them. Power OFF stalls simulate an approach to landing. Power ON stalls simulate a stall on takeoff or on go arounds. **2** Motivation

We are most vulnerable to stalls during critical phases of flight. It is essential to recognize the signs & develop the cross checking skill & utilize multiple instruments for stall awareness

3 Objective

The student will learn how to recognize an approaching stall by sight, sound, & feel. They will develop the prompt corrective action to recover from an unintentional stall.

GROUND CONTENT

FLIGHT ACTIVITIES

Angle of Attack	Preflight Operations
Stall Speeds	Use of Checklists
Weight & CG on Stall Speeds	🗖 Engine Start & Run Up
Instrument Scan for Stalls	Takeoff & Climb Out
PARE/Spin Awareness	Clearing Turns
Stall Aerodynamics	Slow Flight Set Up
AWOS/ASOS Reports	Slow Flight Descents & Climbs
	Instructor Demo (Call out horn/buffet)
Ground time:	Power Off Stalls (full flaps)
(Recommend 0.8)	Power On Stalls (no flaps)
READING DUE:	Different Configurations
 Airplane Flying Handbook (Chapter 4) Pilot's Handbook of Aeropautical 	After Landing/Securing
Knowledge (Chapter 6)	Fliaht time:
Private Pilot ACS - Approach Stalls, Departure Stalls	(Recommend 1.5)

Additional Reading: AOPA - Stall Expectations

GLEIM - Overcoming Fear of Stalls

COMPLETION STANDARDS: ±10° heading, ±10° bank, min altitude loss

CFI SIGNATURE:

Complete: 🗖

Re-Do: 🗖



Date:	

Student: _____

Private Pilot Lesson Plans Lesson #4

1 Introduction

2 Motivation

FLIGHT ACTIVITIES

Performing stalls & performance maneuvers (steep turns) will help the student develop a deeper understanding of the plane's handling characteristics & aerodynamics. The student can more effectively understand basic aerodynamics through demonstrations of steep turns & full stalls.

3 Objective

The student will perform steep turns, power on & power off stalls with minimal instructor assistance & utilize proper recovery procedures & checklists.

GROUND CONTENT

Components of Lift	Clearing Turns
Load Factor Review	Level Turns (Shallow & Medium)
Steep Turn Procedures	Slow Flight Turns, Climbs, Descents
Factors Affecting Performance	Slow Flight Clean Up
Accelerated Stall Awareness	Power Off Stalls (flaps 10-20)
Dynamic/Static Stability	Power On Stalls (flaps 10-20)
Ground time:	Steep Turns (CFI Demo)
(Recommend 1.0)	Steep Turns (Student Perform)
READING DUE:	Accelerated Stall (CFI Demo)
 Airplane Flying Handbook (Chapter 3) Pilot's Handbook of Aeronautical Knowledge (Chapter 5 & 11) Private Pilot ACS - Steep Turns 	Different Configurations Slow Flight
	After Landing/Securing
	Flight time: (Recommend 1.5)

Additional Reading: Boldmethod - Aerodyamics of Steep Turns

AOPA - Mastering Steep Turns

COMPLETION STANDARDS: ±10 kts, ±5° bank angle, ±100 ft, roll out ±10° heading

CFI SIGNATURE:

Complete:





Date:	

Student:

Motivation

FLIGHT ACTIVITIES

Private Pilot Lesson Plans Lesson #5

1 Introduction2Stalls can occur in different configurations &
speeds. The student will attempt these
maneuvers with different flap settings, asThe
plar
con

The student will experience how the plane operates at different speeds & configurations to understand its handling characteristics in every phase of flight.

3 Objective

The student will perform constant speed climbs, descents, & stalls with different flap settings & remain within ACS parameters. Some stalls should be practiced in a shallow **bank**.

GROUND CONTENT

well as normal maneuvers.

Stall Recovery Review Clearing Turns Flaps Effect on Performance Flaps 20-30 Stall Speeds in POH/AFM Slow Flight Turns, Climbs, Descents Stall Awareness Review Slow Flight Clean Up Descents/Climb Instrument Scan Power Off Stalls (flaps 20-30) V Speeds Power On Stalls (flaps 20-30) Constant Speed Climbs (flaps 0-10) Ground time:__ (Recommend 0.7) Constant Speed Descents (flaps 0-20) **READING DUE:** Level Offs (Climbs & Descents) Traffic Pattern Entry • Airplane Flying Handbook (Chapter 4) Pilot's Handbook of Aeronautical Knowledge (Chapter 7) Flight time: **Private Pilot ACS - Traffic Patterns** (Recommend 1.5)

Additional Reading: Boldmethod - 5 Aerodynamic Facts About Flaps

FAA Safety - Use of Flaps

COMPLETION STANDARDS: ±10 kts, ±5° bank angle, ±100 ft level off, ±10° heading

CFI SIGNATURE:

Complete:





Date:	

Student:

Private Pilot Lesson Plans Lesson #6

2

Motivation

help develop their skills.

Introduction 1 The student will develop their cross check

skills through familiarization of the six pack & their visual cues outside.

Many Private Pilot applicants move on to their instrument rating. Having some familiarization of an instrument scan will

3 Objective

The student will utilize what they've learned in their building block maneuvers & apply the concepts to the traffic pattern.

GROUND CONTENT

FLIGHT ACTIVITIES Steep Turn Review Clearing Turns Steep Turns Six Pack Instruments Traffic Pattern Operations Constant Speed Climbs/Level Off Radio Calls Constant Speed Descents/Level Off Descents/Climb Instrument Scan Review Constant RATE Climbs/Level Off V Speed Review Constant RATE Descents/Level Off Ground time:__ Traffic Pattern Entry (Recommend 0.8) Traffic Pattern Legs 🔲 Radio Calls **READING DUE:** CFI Assisted Landing Airplane Flying Handbook (Chapter 8) Pilot's Handbook of Aeronautical Knowledge (Chapter 8) Flight time: (Recommend 1.5)

Additional Reading: Pilot Institute - The Six Pack

AC 90-66C

COMPLETION STANDARDS: +10/-5 kts, ±100 fpm, ±5° bank angle, ±100' roll out, ±10° heading

CFI SIGNATURE:

Complete: 🔲

Re-Do: 🗖

1



Date:	

Student:

Private Pilot Lesson Plans Lesson #7

The student will be introduced to factors affecting performance, division of attention & wind awareness through ground reference maneuvers. 2 Motivation

FLIGHT ACTIVITIES

Ground Reference Maneuvers are building blocks for traffic pattern operations.

3 Objective

The student will understand how to determine aircraft performance & the wind's effect on handling characteristics.

GROUND CONTENT

Introduction

Crosswind Component/METARFactors Affecting Performance	 Constant Rate Climb Out of Airport Constant Rate Descent to Training Area
Visual Cues of Wind	Clearing Turns
Groundspeed & Bank Angle	Turns Around a Point
Crosswind/Headwind Calculations	Rectangular Course
Turns Around a Point/Rectangular Course/S Turns	S Turns
	Unusual Attitudes
Ground time:	Traffic Pattern Entry
(Recommend 0.8)	Traffic Pattern Legs/Radios
READING DUE:	CFI Assisted Landing
 Airplane Flying Handbook (Chapter 9) Pilot's Handbook of Aeronautical Knowledge (Chapter 10) Private Pilot ACS - Ground Reference Maneuvers 	Flight time: (Recommend 1.7)

Additional Reading: GLEIM - Basics of Ground Reference Maneuvers

AOPA - Keeping Your Distance

COMPLETION STANDARDS: ±10kts, ±100 fpm, ±100 altitude

CFI SIGNATURE:

Complete: 🔲

Re-Do: 🗖

1



Date:	

Student:

Private Pilot Lesson Plans Lesson #8

This lesson will focus on traffic pattern operations & critical phases of flight to get the student prepped for landing on their own. **2** Motivation

Every takeoff must have a landing! The student will need to develop their energy management skills to land the plane.

3 Objective

The student will perform all radio calls with minimal instructor assistance & develop the appropriate sight picture for the pattern & landings during several Low Approaches. They will stay on centerline & on airspeed in the pattern.

GROUND CONTENT

Introduction

FLIGHT ACTIVITIES

Crosswind Component Review	Constant Speed Climb into the Pattern
Ground Effect	Traffic Pattern Legs
Radio Call Review	Traffic Pattern Radio Calls
Factors Affecting Takeoff/Landing Data	Landing Configuration
Takeoff/Landing Data Calculations	Checklists/Flows
Weight & Balance Calculations	Constant Rate Descent
V Speed Review	Low Approaches No Flaps
Stall Speed Review	Low Approaches 10-20 Flaps
Departure/Takeoff Briefings	CFI Assisted Landings
Ground time: (Recommend 1.0)	
READING DUE:	
 Airplane Flying Handbook (Chapter 9) Pilot's Handbook of Aeronautical Knowledge (Chapter 12 & 13) 	(Recommend 1.2)

Additional Reading: Boldmethod - Traffic Patterns at Non-Towered Airports

AOPA - Towered Airport Traffic Pattern Operations

COMPLETION STANDARDS: ±10kts, ±100 fpm, ±50^o altitude

CFI SIGNATURE:

Complete: 🗖





Date:	

Student:

Private Pilot Lesson Plans Lesson #9

1 Introduction

2 Motivation

The student will continue to improve their ability to perform constant rate climbs, descents, & traffic pattern operations.

Managing the aircraft's energy & flying a stable approach will lead to consistent, safe landings.

3 Objective

The student will perform slow flight, constant rate climbs & descents with minimal assistance from the CFI. They will perform briefings & radio calls on their own & demonstrate low approaches 100' over the runway, staying on centerline & on speed.

GROUND CONTENT

FLIGHT ACTIVITIES

Crosswind Component ReviewGround Effect Review	 Constant Rate Climbs/Level Offs Constant Rate Descents/Level Offs
Takeoff/Landing Data Calculations	Slow Flight Descents
AC 90-66C Review	Traffic Pattern Entry
Weight & Balance Calculations	Traffic Pattern Legs
Chair Fly Traffic Pattern	Checklists/Flows
Runway Incursion Avoidance	Radios
Ground time:	Low Approaches No Flaps
(Recommend 0.5)	Low Approaches 10-20 Flaps
READING DUE:	CFI Assisted Landings
 Airplane Flying Handbook (Review Chapter 2) Pilot's Handbook of Aeronautical Knowledge (Chapter 14) 	Flight time: (Recommend 1.5)

Additional Reading: Boldmethod - What Causes Ground Effect?

<u>AC 91-73B</u>

COMPLETION STANDARDS: ±10kts, ±100 fpm, ±50 altitude

CFI SIGNATURE:

Complete: Re-Do:	Date:	
Private Pilot Lesso 1 Introduction	E LESSON PIONS on #10 2 Motivation	
The student will be introduced to crosswind correction techniques.	The wind is rarely straight down the runway for takeoffs & landings. Learning corrections will keep the pilot & aircraft safe & stable. ctive	
The student will be able to perform a crab & side slip maneuvers with minimal instructor assistance while maintaining safe airspeeds & staying on centerline. They will also perform briefings & radio calls. GROUND CONTENT FLIGHT ACTIVITIES		
Crab Technique	Constant Speed Climbs	
Side Slip Technique	Constant Rate Descents	
METAR Review	Traffic Pattern Legs	
TAFs	Traffic Pattern Radios	
Surface Analysis Charts	Checklists/Flows	
Winds Aloft	Radios	
Crosswind Taxi	Crabbing	
Ground time:	Side Slips Over Runway (CFI Demo)	
(Recommend 0.8)	Side Slips Over Runway (Student)	
READING DUE:	Side Slips into Landing CFI Assisted	
Airplane Flying Handbook (Chapter 4)	CFI Assisted Landings	
 Pilot's Handbook of Aeronautical Knowledge (Review Chapter 13) 	Flight time: (Recommend 1.2)	

Additional Reading: Boldmethod - Crosswind Correction

<u> AOPA - Crosswind Taxi Tips</u>

COMPLETION STANDARDS: ±10kts, ±100 fpm, ±100 altitude

CFI SIGNATURE:

Complete: 🗖 Re-Do: 🔲	Date:	
Private Pi	lot Lesson Plans	
Lesson #11		
1 Introduction	2 Motivation	
The student will execute PIC mindset wh performing stalls & slow flight. ${f 3}$	ile As the student gets closer to their solo, it is essential that they begin developing their Pilot in Command muscle & execute ADM under the guidance of their CFI. Objective	
The student will perform all aspects of ea instructor assistance. The student will pe	ach maneuver & traffic pattern entry with minimal erform briefings & radio calls without assistance.	

GROUND CONTENT FLIGHT ACTIVITIES Constant Speed Climbs Flight Deck Management Review Constant Speed Descents Stalls Review Slow Flight Descents W&B Calculations Review Slow Flight Climbs Departure/Takeoff Briefings Power Off Stalls Crew Resource Management Power On Stalls 🔲 Unusual Attitudes Ground time: Traffic Pattern Operations (Recommend 0.5) CFI Assisted Landings **READING DUE:** Flight time: • Airplane Flying Handbook (Review (Recommend 1.5) Chapter 3) Pilot's Handbook of Aeronautical Knowledge (Review Chapter 2)

Additional Reading: Boldmethod - 7 Tips for a Departure Briefing

FAA - SAFETY Briefing

COMPLETION STANDARDS: ±10kts, ±100 fpm, 10° heading, ±5° banks, ±100' altitude, ±400' designated landing point

CFI SIGNATURE:

Complete: 🔲

Re-Do: 🗖



Date:	

Student:

Private Pilot Lesson Plans Lesson #12

1 Introduction

2 Motivation

FLIGHT ACTIVITIES

The student will review traffic pattern operations & become more proficient.

As the student becomes more proficient & confident, they can begin executing a PIC mindset & develop good judgment.

3 Objective

The student will demonstrate their ability to manage the traffic pattern & divide their attention appropriately. They will remain on speed, on centerline, & perform all required checklists, flows & briefings.

GROUND CONTENT

91.205 & 91.213 Vx & Vy climbs Performance Calculations Review 🔲 Normal Takeoff AC 90-66C Review Normal Landings Aborted Takeoffs & Go Arounds Traffic Pattern Operations Departure/Takeoff Briefings Aborted Takeoffs Runway Incursion Avoidance Review Go Arounds Energy Management Different Flap Configurations on Landing Ground time: Spacing from Traffic Techniques (Recommend 0.5) ADM **READING DUE:** Flight time: _____ (Recommend 1.3 Airplane Flying Handbook (Review) Chapter 4) Pilot's Handbook of Aeronautical Knowledge (Chapter 9) FAR 91.205 & 91.213

Additional Reading: AOPA - Pattern Primer

FAA - Aircraft Performance & Calculations

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±400' designated touchdown point

CFI SIGNATURE:

Complete: 🔲

Re-Do: 🗖



Date:	

Student:

Private Pilot Lesson Plans Lesson #13

1Introduction2MotivationThe student will review failures &
malfunctions in the traffic pattern.Failures & malfunctions can happen to
anyone at any time. Understanding how
to handle them upon landing is critical to
pilot safety.3Objective

The student will demonstrate their ability to manage the traffic pattern while working out a problem. They will utilize "flying by the seat of your pants" skills & the sound of the engine & air outside to make judgments.

GROUND CONTENT

FLIGHT ACTIVITIES

Wake Turbulence Avoidance	Vx & Vy climbs
Systems/Equipment Malfunctions	Normal Takeoff & Landings
Emergency Approach/Landing	Side Slips & Crabbing
91.205 Review	Traffic Pattern Operations
Wind Correction Review	Aborted Takeoffs
No Flap Landing	Go Arounds
Energy Management Review	Failed Airspeed Indicator
Ground time:	Forward Slips to Landing
(Recommend 1.0)	No Flap Landing
READING DUE:	Crosswind Takeoffs & Landings*
Airplane Flying Handbook (Review Chapter 9)	Flight time: (Recommend 1.5
 Pliot's Hanabook of Aeronautical Knowledge (Review Chapter 8) AIM Chapter 7 	*Good airports for xwind landings include KMHR and KMYV

Additional Reading: Boldmethod - Pitot Static Failures

Pilot Institute - Side Slip vs. Forward Slip

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±400' designated touchdown point

CFI SIGNATURE:

Complete: Re-Do: Complete: Com	Date:	
Private Pilo	t Lesson Plans	
Lesson #14		
1 Introduction	2 Motivation	
The student will be introduced to ToweredSome airports have tower controllers, &Airport operations (or non-towered if applicable).Some airports have tower controllers, &the student will need to experience collaboration with ATC.		
3 ОЬј	ective	
The student will perform Towered Airport rad traffic pattern procedures as appropriate. La load.	dio calls with instructor assistance & abide by all ndings will be on speed, on centerline, with no side	
GROUND CONTENT	FLIGHT ACTIVITIES	
Towered Airport Operations	Airport Diagram	
ATC Facilities	Normal Takeoff	
Emergency Procedures	Towered Airport Radio Calls	
Systems/Instrument Malfunction Review	Traffic Pattern Operations	

Clearance Readbacks

Forward Slips to Landing

Flight time:_ (Recommend 1.5)

Light Gun Signal Demo (if able)

Go AroundsNormal Landings

91.123 & 91.215

Towered Radio Calls

Ground time:_____ (Recommend 1.0)

READING DUE: • FAR 91.123, 91.215

- Pilot's Handbook of Aeronautical Knowledge (Chapter 15)
- AIM Chapter 4

Additional Reading: AOPA - Operations at Towered Airports

Flying Magazine - Towered vs. Non-Towered

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±400' designated touchdown point

CFI SIGNATURE:

Complete: 🗖	Date:	
Re-Do: 🔲	Student:	
	Private Pilot Lesson Plan	S

Lesson #15

1 Introduction

2 Motivation

The student will review systems & emergencies.

The student should be ready to handle an emergency landing situation in the case that it happens when they solo.

3 Objective

Takeoffs, go arounds, & landings should be performed minimal instructor assistance. Pattern operations should be within the parameters listed below for airspeed & altitude. Landings on centerline with no side load.

GROUND CONTENT

FLIGHT ACTIVITIES

Ignition System	Airport Diagram
Oil System	Normal Takeoff & Landings
Fuel System	Go Arounds
Carb Heat System	Side Slips/Crabbing
91.205 Review	No Flap Landing
Electrical System	Simulated Engine Out Landing
Emergency Landings	Forward Slips to Landing
Ground time:	Failed Pitot Static System
(Recommend I.U)	Flight time:
READING DUE:	(Recommend 1.5)
 Pilot's Handbook of Aeronautical Knowledge (Review Chapter 7) FAR 91.205 AIM Chapter 6 	

Additional Reading: <u>Flying Magazine - Understanding Electrical Systems</u>

Boldmethod - The Impossible Turn

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±400' designated touchdown point

CFI SIGNATURE:

Con Re-I	nplete: Do:	IRLS TO FLY	ALL NO DE		Date: Student:
	Private Pilot Lesson Plans				
1	Introduction	on #:	16 2	Мо	tivation
This elec	s lesson will focus on engine outs & trical/engine fire scenarios.		Prac ensi lanc	cticin ure tl I the	g emergency procedures will ne student is prepared & can plane safely under duress.
	3 Обје	ective			· · · · ·
The student will be able to make the runway using one or a combination of flaps, shorter patterns, forward slips & energy management. Best glide will be maintained, or best speed as appropriate for an engine fire.GROUND CONTENTFLIGHT ACTIVITIES					
	Engine Fire		Cons	stant	Speed Climb
	Engine Failure		Spirc	al Do	wn over Airport (Power Off)*
	Electrical Fire/Failure		Simu	late	d Engine Fire
	Carbon Monoxide		ow	er O	ff Landing from Downwind
	Emergency Priority		Simu	ulate	d Electrical Failure
			No F	lap L	anding
			Eme	rgen	cy Descents
	Ground time:		Eme	rgen	cy Checklist/Flows
(Recommend 0.7)			FI	iat	nt time:
READING DUE:			(Re		mmend 1.5)
•	AIM Chapter 6 Review Pilot's Handbook of Aeronautical Knowledge (Chapter 17) Your Training Aircraft's POH/AFM	*Traffi down best g	c per simila lide 8	mittin ar to t k landi	g, have students perform the spiral ne commercial maneuver, maintaining ng on the runway full stop. If they

(Systems & Checklists)

Additional Reading: Boldmethod - Electrical Fire

Boldmethod - No Flap Landing

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±200' designated touchdown point

won't make it, go around.

CFI SIGNATURE:

Complete: 🗖

Re-Do: 🗖

1



Date:	

Student:

Private Pilot Lesson Plans Lesson #17

2

The student will review building block maneuvers in preparation for a stage 1 check. Motivation

Stage checks ensure that all objectives are being met & that the student is being properly prepared for their solo!

3 Objective

The student will meet all ACS standards for each maneuver. For takeoffs & landings, they will remain on runway heading/centerline, abide by noise abatement procedures, conduct briefings, & maintain the appropriate airspeeds.

GROUND CONTENT

Introduction

FLIGHT ACTIVITIES

Ground Reference Maneuvers Review	Constant Speed Climb		
Stall Speed Review	Training Area Operations/Clearing Turns		
Stall Aerodynamics Review	Power Off Stalls (level & in bank)		
Steep Turn Review	Power On Stalls (level & in bank)		
Systems/Instrument Review	Slow Flight (level & in descent)		
Takeoff/Landing Performance Review	Steep Turns		
Pre-Solo Knowledge Test	Turns Around a Point		
Ground time:	S Turns		
(Recommend 0.7)	Rectangular Course		
READING DUE:	Traffic Pattern Operations		
	Normal Takeoff & Landing		
Airplane Flying Handbook (Review Chapter 2)			
 Pilot's Handbook of Aeronautical 	Flight time:		
Knowledge (Review Chapter 7 & 8)	(Recommend 1.8)		
AIM Chapter 8			

Additional Reading: Boldmethod - Stall Recovery: 6 Common Mistakes

<u> AOPA - Steep Turns</u>

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±200' designated touchdown point, ±5° bank, ±10° heading

CFI SIGNATURE:

Complete:

Re-Do: 🗖

1



Date:	

Student:

Motivation

Private Pilot Lesson Plans Lesson #18

2

Practicing for emergencies will ensure that the student has developed the proper ADM

You never know when an engine out, instrument failure or fire may happen, so it is best to be as prepared as possible.

3 Objective

The student will demonstrate their pilot-in-command mindset through proper usage of checklists, flows, & prioritizing of tasks. The student will complete all briefings & tasks without instructor assistance.

GROUND CONTENT

Introduction

to safely operate the aircraft.

FLIGHT ACTIVITIES Electrical System Review Normal Takeoff Training Area Operations Ignition System Review Fuel System Review Spiral Down over Airport (Power Off) Best Glide Simulated Electrical Failure Simulated Engine Fire Emergency Operations Chair Fly Flows Emergency Descent Review Pre-Solo Knowledge Test Simulated Engine Out Personal Minimums Contract Simulated Engine Out on Downwind Traffic Pattern Operations Ground time: Go Arounds (Recommend 1.0) Normal Landings **READING DUE:** Your Training Aircraft's POH/AFM Flight time:_ (Systems & Checklists) (Recommend 1.5)

Additional Reading: AOPA - Armchair Flying

AOPA - VFR Personal Minimums Contract

FAA - Best Glide Speed & Distance

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±200' designated touchdown point, ±5° bank, ±10° heading

CFI SIGNATURE:



ENDORSEMENTS

- Pre-Solo Aeronautical Knowledge 61.87(b)
- Pre-Solo Flight Training 61.87(c)(1)(2)
- Solo Initial 90 Day 61.87(n) with appropriate Limitations given by endorsing CFI.
 - Limitations should include: a crosswind limitation, max surface wind, minimum ceiling, minimum visibility, **FULL STOPS ONLY**.

DOCUMENTATION

- Student Pilot Certificate
- Medical Certificate
- Driver's License or Passport
- Logbook with signed endorsements

FLYING ABILITIES

- Demonstrates "PIC" (i.e. CFI may offer coaching during flights, but 99% of the time the CFI does not have to say anything).
- Student performs safe and proper GO AROUNDS and rejected takeoffs on their own judgment.
- Student handles all tower/traffic radio calls without CFI assistance.
- Student performs all checklist items without skipping over anything.
- Student can calmly execute emergency procedures and perform a simulated emergency landing on the first try consistently.
- Student can manage airspeed and coordination without fixating on instruments in the cockpit.

Complete: Re-Do: Private Pilot Lesso	Date:		
The stage shack should ensure that the	If the student demonstrates esticificater :		
file stage check should ensure that the student has been properly prepared for solo flight operations & all that is included.	knowledge & training, they will move on to their first solo!		
3 Obje	ctive		
demonstrating good judgment & SRM. All climbs & descents should be at constant speed or rate, per stage check CFI preference. GROUND CONTENT FLIGHT ACTIVITIES			
Aircraft Systems (Fuel, Electrical, etc.)	Constant Speed/Rate Climb		
V Speeds	Training Area Operations/Clearing Turns		
I akeott & Landing Performance	Steep Turns		
Veight & Balance			
	Power On Stalls		
Part 91 Regulations	Simulated Engine Out/Emergency		
Review Pre-Solo Knowledge Test	Descent		
Review Student's Personal Minimums	Ground Reference Maneuver (Pick 1)		
	Traffic Pattern Operations		
Ground time:	Go Arounds		
(Recommend 1.5)	Normal Landings (at least 3)		
	Flight time:		
	(Recommend 1.6)		

Additional Reading:

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±200' designated touchdown point, ±5° bank, ±10° heading

CFI SIGNATURE:

Private Pilot Lesson Plans Lesson #20 FIRST SOLO			
Introduction	2 Motivation		
The student will fly for the first time or own in the traffic pattern.	n their This is the first major milestone in a pilot's journey! They are now completing stage 1, & can continue into stage 2.		
3	Objective		
The student will first fly with their fligl andings on airspeed, on glidepath & a fly solo in the traffic pattern 3 more tir GROUND CONTENT	nt instructor 3 times in the pattern. If they complete all on centerline without instructor assistance, they can ther nes & obtain their first solo hours. FLIGHT ACTIVITIES		
The student will first fly with their flig landings on airspeed, on glidepath & o fly solo in the traffic pattern 3 more tin GROUND CONTENT Review Endorsements Confirm Student Pilot Document	nt instructor 3 times in the pattern. If they complete all on centerline without instructor assistance, they can ther mes & obtain their first solo hours. FLIGHT ACTIVITIES Normal Takeoffs & Landings with CFI Runway Incursion Avoidance		
The student will first fly with their flig landings on airspeed, on glidepath & o fly solo in the traffic pattern 3 more tin GROUND CONTENT Review Endorsements Confirm Student Pilot Documents Review Airport Weather Chair Fly Traffic Pattern Review Emergency Operations	nt instructor 3 times in the pattern. If they complete all on centerline without instructor assistance, they can ther mes & obtain their first solo hours. FLIGHT ACTIVITIES Normal Takeoffs & Landings with CFI Runway Incursion Avoidance Student Solo in Pattern Student Solo Tiedown		
The student will first fly with their flig landings on airspeed, on glidepath & o fly solo in the traffic pattern 3 more tin GROUND CONTENT Review Endorsements Confirm Student Pilot Document. Review Airport Weather Chair Fly Traffic Pattern Review Emergency Operations	nt instructor 3 times in the pattern. If they complete all on centerline without instructor assistance, they can ther nes & obtain their first solo hours. FLIGHT ACTIVITIES Normal Takeoffs & Landings with CFI Runway Incursion Avoidance Student Solo in Pattern Student Solo Tiedown		
The student will first fly with their flig landings on airspeed, on glidepath & of fly solo in the traffic pattern 3 more tin GROUND CONTENT Review Endorsements Confirm Student Pilot Document Review Airport Weather Chair Fly Traffic Pattern Review Emergency Operations Ground time: (Recommend 0.5)	nt instructor 3 times in the pattern. If they complete all on centerline without instructor assistance, they can ther nes & obtain their first solo hours. FLIGHT ACTIVITIES Normal Takeoffs & Landings with CFI Runway Incursion Avoidance Student Solo in Pattern Student Solo Tiedown		

Additional Reading:

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±200' designated touchdown point, ±5° bank, ±10° heading

CFI SIGNATURE:



Private Pilot Lesson Plans GROUND TOPICS Stage 2

The syllabus is designed with 30-60 minutes of ground before each lesson. However, this structure may not accommodate the instructor or student's schedule. Instructors can utilize this checklist of ground topics to schedule separate ground lessons accordingly in between flight training or on poor weather days. Students can use it as a roadmap for their training so they can prepare for their lessons independently.

Lessons 21-22 Lessons 23-24 Fill Out a Navlog EFB Usage Flight Bag (ForeFlight, Garmin, etc.) E6B Calculations Wind Correction Angle Calculation Lessons 23-24 Lessons 23-24 Lessons 23-24 Lessons 23-24 Lessons 23-24 Lessons 23-24 Soft Field Takeoffs/Landings Soft Field Takeoffs/Landings

- Pilotage vs. Dead Reckoning
- Pilot Mental Math
 - Fuel Burn
 - Descent & Climb Calculations
 - Groundspeed Calculations
 - Crosswind Course Correction
- 🔲 Filing a VFR Flight Plan

Lessons 25-27

VOR Navigation & Operations

- Components of a VOR
- VOR Service Volumes
- Homing & Tracking
- Course vs. Radial

GPS Navigation & Operations

- Components of GPS
- Satellite Navigation
- "Buttonology"
- Airspace Review
- Weather Theory
- Weather Briefings

Lessons 28-32

🔲 Night Flights

- Logging Night Time/Landings
- Rods & Cones
- Night Illusions
- Risks of Night Flying
- XC Routes @ Night
- Airport/Aircraft Lighting
- 🔲 91.205 Review
- Aeromedical (Night Focused)
- Review Stage 2 Knowledge Test





Date:	

Student:

Private Pilot Lesson Plans Ground Only **STAGE 2**

2

1 Introduction

Motivation

The student is now ready to learn how to navigate between airports across farther distances. It should be emphasized that their flights are done via VISUAL references such as landmarks, airports, etc. While electronic flight bags are acceptable, the student will need to be familiar with **paper charts, E6Bs, & wind correction data done by hand & with a plotter**. The majority of a pilot's flying outside of training will be cross countries. It's essential for pilots to be familiar with the regulations, tools & techniques to conduct long flights safely. This will ensure each flight is a success & will open up more possibilities for their aviation journey.

3 Objective

The student will complete at least two cross country training flights with their flight instructor before completing a solo cross country. It's a good idea to send the student on a shorter solo XC before they complete their long, 150+nm cross country solo. The student will be familiar with Towered & Non-Towered airport operations, as well as communications on a flight following.

GROUND CONTENT

FLIGHT ACTIVITIES

Navlog Introduction	
Weather Charts	
Airspace & Equipment Requirements	
91.103	
91.151	
91.153	
91.155	
91.159	
POH/AFM Performance Charts	
Ground time: (Recommend 2.0)	
HOMEWORK ASSIGNMENT:	
	Flight time: 0.0

CFI SIGNATURE:

Complete: Re-Do: Complete: Com	Date:			
Private Pilot Lesson Plans				
Lesso	on #21			
1 Introduction	2 Motivation			
The student has now moved on to stage 2, cross country training. It's time to leave the traffic pattern & venture off to new airports & become more comfortable with ATC collaboration.				
top of climb, top of descent, fuel burn, & weat planning. CFI & Student should plan a short fl	ther forecasts into their cross country flight light to an airport ~25nm away for practice.			
GROUND CONTENT	FLIGHT ACTIVITIES			
Filling Out a Navlog	Normal Takeoff			
Takeoff & Landing Data	Timed Top of Climb			
Fuel Burn (GPH & climb fuel)	Flight to Airport ~25nm away			
Groundspeed & TAS	Timed Top of Descent			
E6B Wind Correction	Approach Planning			
E6B Time, Distance, Fuel Calculations	Fuel Burn Calculations			
Paper Sectional Chart vs. EFB	Pilotage/Dead Reckoning			

Additional Reading: <u>Flying Magazine - How to Plan a Cross Country Flight</u>

AOPA - Real World Cross Country Planning

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

Normal Landing

Confirm Fuel Burn

Repeat Back to Home Airport

Flight time:_____(Recommend 1.3)

CFI SIGNATURE:

Diversions/Lost Procedures

Ground time:_ (Recommend 1.5)

Knowledge (Chapter 16)

Pilot's Handbook of Aeronautical

READING DUE:

• AIM Chapter 1

•

Complete: 🗖

Re-Do: 🗖



Date:	

Student:

Private Pilot Lesson Plans Lesson #22

1 Introduction

2 Motivation

FLIGHT ACTIVITIES

The flight instructor and student will have had another ground session prior to this lesson if needed to fill out a navlog for this XC flight to a non-towered airport. **3 0** Now that the student understands how to fill out a navlog, it's time to apply their work to the real event.

Objective

The student will have fully flown each leg of their XC & complete each box of their navlog. CFI & Student should review the actual fuel burn & debrief how close the student's calculations were regarding fuel, timing, & groundspeed. Student's selected checkpoints should be VISUAL.

GROUND CONTENT

Review Navlog (calculations & checkpoints)	 Normal Takeoff Timed Top of Climb
Performance Review	Fill Out Navlog ETE/ETA, ATE/ATA, GS
Fuel Burn (GPH & climb fuel)	Flight Following
Sectional Chart/EFB Usage	Simulated Diversion to new airport
Review Destination Airport	Diversion Fuel Burn Calculations
Review 91.103 Data	Pilotage/Dead Reckoning
Turn Off Georeferencing on EFB	Approach Planning
Ground time:	Full Stop/Taxi Back
(Recommend 0.5)	Repeat All (except the Diversion) back to Llama Airport
 READING DUE: Pilot's Handbook of Aeronautical Knowledge (Review Chapter 15) AIM Chapter 3 	Flight time: (Recommend 2.0)

Additional Reading: AOPA - Cross Country Special Topics

Gleim - E6B Instructions

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete: 🗖

Re-Do: 🗖



Date:	

Student:

Private Pilot Lesson Plans Lesson #23

1 Introduction

2 Motivation

The student will be introduced to short field & soft field takeoffs & landing technique. Upon landing, the student should verbally state **"Simulated Max Braking"**. **3** Ob You may come across a runway that's shorter than you're used to, or you may need to land on a grass strip. These techniques will ensure you can do so safely.

Objective

The student will be able to perform a short & soft field takeoff & landing with minimal instructor assistance. They will comply with ACS Standards & will repeat takeoffs & landings at least 3 times each this lesson.

GROUND CONTENT

FLIGHT ACTIVITIES

POH Review for Soft/Short Fields	Short Field Takeoff (CFI Demo)
Short Field Takeoff Chair Fly	Short Field Landing Full Stop (CFI Demo)
Short Field Landing Chair Fly	Soft Field Takeoff (CFI Demo)
Soft Field Takeoff Chair Fly	Soft Field Landing Full Stop (CFI Demo)
Soft Field Landing Chair Fly	Short Field Field Takeoff (Assisted)
Review Approach Speeds	Short Field Landings Full Stop
Find Soft Field/Short Field Airports for	Soft Field Takeoffs (Assisted)
Reference	Soft Field Landings Full Stop
Ground time:	Go Arounds
(Recommend 0.7)	Aborted Takeoffs
READING DUE:	
 Airplane Flying Handbook (Review Chapter 9) 	Flight time: (Recommend 1.7)

Additional Reading: Boldmethod - How to Fly a Perfect Short Field Landing

Boldmethod - How to Make a Soft Field Landing

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete: 🗖 Re-Do: 🗖	Date:
	Private Pilot Lesson Plans
	Lesson #24
1 Introducti	on 2 Motivation

The student will be introduced to simulated instrument flying & basic attitude flight.

Inadvertent entry into IMC is a deadly situation that any pilot can be victim of. It's invaluable for a student to learn the basics of instrument flight to escape this scenario.

3 Objective

The student will employ basic instrument cross checks, timed turns, & turns to headings at standard rate & with minimal instructor assistance. They will remain within 100' of chosen altitude & the instructor will clear all turns. All maneuvers will be completed **under the hood**.

GROUND CONTENT

FLIGHT ACTIVITIES

Operations of Instruments	Constant Bate Climbs/Descents
System Failures	Constant Speed Climbs/Descents
Basic Attitude Instrument Flight	Straight & Level
Instrument Scans	Recovery from Unusual Attitudes
Unusual Attitudes	Autopilot Operations (if applicable)
CFIT	Timed Turns
IMC Illusions	Turns to Headings
Brief Safety Pilot Responsibilities*	Compass Turns
Ground time: (Recommend 0.7)	*It's the Safety Pilot's responsibility to clear the training area prior to and during the maneuvers while the student is under the hood.
READING DUE:	Flight time:
Pilot's Handbook of Aeronautical	(Recommend 1.5)
Knowledge (Review Chapter 12)	Hood Time: (Recommend 1.2)

Additional Reading: Boldmethod - Instrument Cockpit Check

<u> AOPA - Basic Attitude Flying</u>

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±100f pm

CFI SIGNATURE:

Complete:	Date:
Re-Do:	Student:
Private Pilot	Lesson Plans
Lesso 1 Introduction The student is now more comfortable with XC flight planning, & should be able to handle the task of approaching a Towered Airport. 3 Object	n #25 2 Motivation Getting comfortable with air traffic control is an essential task for pilots in order to fully utilize the resources they offer.
The student will have identified each checkpoin	nt via pilotage & complete each box of their
navlog. CFI & Student should review all the dat	ta & their calculations to ensure accuracy.
Towered Airport calls are clear, concise & follow	w standard procedures.
GROUND CONTENT	FLIGHT ACTIVITIES
 Review Navlog (calculations & checkpoints) Call Weather Briefer File VFR Flight Plan Review Tower Radio Calls Review Destination Airport Review 91.103 Data Ground time:	 Normal Takeoff Timed Top of Climb Fill Out Navlog ETE/ETA, ATE/ATA, GS Open Flight Plan/Flight Following Emergency Scenarios Review Diversion Fuel Burn Calculations Pilotage/Dead Reckoning Towered Airport Operations Approach Planning Full Stop/Taxi Back
 READING DUE: AIM Chapter 2 Pilot's Handbook of Aeronautical	Flight time:
Knowledge (Review Chapter 16)	(Recommend 2.0)

Additional Reading: YouTube - XC Navigation Log Explained

AOPA - Sample Radio Calls

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete: 🗖	Stepo M Is To FE	Date:	
Re-Do:	LOVE TO FLY	Student:	
	The Dilat Lagon		

Private Pilot Lesson Plans Lesson #26

1Introduction2MotivationThe student will be introduced to radio
navigation instruments & how to utilize
them during flight.Understanding how to utilize the avionics
is essential to comfortability within the
aircraft. It is part of Single Pilot Resource
Management.3Objective

The student will understand the basic operation & application of a VOR & GPS. The student will have a basic understanding of the autopilot activation & disconnection. They will be able to verify their position utilizing VOR intersections & dead reckoning calculations.

GROUND CONTENT

FLIGHT ACTIVITIES

VOR Components & Operation	Normal Takeoff
VORs on Charts	Timed Top of Climb
Autopilot Procedure (if applicable)	VOR Tracking
GPS Components & Operation	VOR Radial/Course Intercept
GPS "Buttonology"	GPS Direct To Function
Ground Based vs Space Based	GPS Flight Plan Functions
Brief Safety Pilot Responsibilities	Dead Reckoning Calculations
	Autopilot Climbs & Descents (if able)
Ground time:	Autopilot Modes
(Recommend 1.0)	Hood Work-Intercept Radials (0.5)
READING DUE:	Elight time:
AIM Review Chapter 1	(Recommend 1.5)
Pilot's Handbook of Aeronautical Knowledge (Paview Chapter 16)	Hood Time:
Knowledge (Review Chapter 16)	(Recommend 1.0)

Additional Reading: Boldmethod - How a VOR Works

AOPA - Pilots Guide to Satellite Navigation

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading

CFI SIGNATURE:

Complete: Re-Do: Private Pilot Lesso	Date: Student: Lesson Plans n #27 STAGE CHECK
1 Introduction This stage check will ensure that the student has been properly prepared for the tasks & challenges of a XC flight.	2 Motivation This is an opportunity to learn more about XC flying from another CFI! Once this is complete, the student may perform a solo XC.
 The student will perform all PIC duties with nonavlog & 91.103 data to the stage check CFI, or avionics & handle radio communications. GROUND CONTENT Review Navlog (calculations & checkpoints) Departure, En Route, Destination Wx 91.103 Data Aeronautical Decision Making Single Pilot Resource Management Discuss Route Selection Review Stage 2 Knowledge Test Review Student's Personal Minimums 	 instructor assistance. They will present their conduct all briefings, utilize the appropriate FLIGHT ACTIVITIES Timed Top of Climb Avionics Operations Fill Out Navlog Open Flight Plan/Flight Following Diversions & Lost Procedures Fuel Burn Calculations Pilotage/Dead Reckoning Check Timing of Each Leg Approach Planning Full Stop/Taxi Back
(Recommend 1.0)	Flight time: (Recommend 2.0)

Additional Reading: AOPA - One Pilot, Many Tools

AOPA - Pilotage & Dead Reckoning

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete: 🗖

Re-Do: 🗖



Date:	
Student:	

Private Pilot Lesson Plans

Lesson #28 XC Solo (50-70nm)

1 Introduction

2 Motivation

The student will embark on a short solo XC so they can develop their experience prior to their long solo XC.

This is a step toward the student's long solo XC, which is another requirement for the Private Pilot Certificate.

3 Objective

The student will complete a XC solo to an airport 50nm-70nm away using the skills & techniques presented to them by their instructor. They will utilize flight following & their calculations will be within the Completion Standards.

GROUND CONTENT

FLIGHT ACTIVITIES

Normal Takeoff
Timed Top of Climb
Fill Out Navlog ETE/ETA, ATE/ATA, GS
Flight Following
Fuel Burn Management
Solo ATC Management
Pilotage/Dead Reckoning
Approach Planning
Full Stop/Taxi Back
Repeat Back to Home Airport
Flight time: (Recommend 2.0)

Additional Reading: Boldmethod - Understanding Solo XC Requirements

Boldmethod - 5 Tips to Prepare For Your First Solo XC

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete:
Re-Do:



Student:

Private Pilot Lesson Plans Lesson #29

1 Introduction

2 Motivation

The student will review short & soft field takeoff & landing techniques. Remember to **"Simulate Max Braking".**

Short & Soft Field Landings/Takeoffs can be a challenge on the practical exam. It's beneficial to maintain proficiency!

3 Objective

The student will perform the specialty takeoffs & landings with minimal instructor assistance. If the student determines the landing will be unsuccessful, they will commence a safe, timely Go Around.

GROUND CONTENT

FLIGHT ACTIVITIES

Review Short Field T.O. & Landing	Short Field Takeoffs
Review Soft Field T.O. & Landing	Short Field Landings (Full Stops)
Review Ground Effect	Soft Field Takeoffs
Review V Speeds	Soft Field Landings
Review Density Altitude	Crosswind Takeoffs
Discuss Wet Runway Techniques	Crosswind Landings
	Go Arounds
	Aborted Takeoffs
Ground time: (Recommend 0.7)	
READING DUE:	
	Flight time: (Recommend 1.5)
Additional Reading:	

<u>AOPA - Short Field & Soft Field Landings</u> <u>Boldmethod - 7 Steps To Make a Crosswind Landing</u>

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±10° heading, +200'/-0' landing spot

CFI SIGNATURE:

Complete:	
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Re-Do: 🔲



Date:	

Student:

Private Pilot Lesson Plans

Lesson #30 Long XC Solo

1 Introduction

2 Motivation

FLIGHT ACTIVITIES SOLO

The student will now apply everything they've learned from their XC experience to their long solo XC of 150+nm.

This is another milestone in the student's journey! They are one step closer toward eligibility for their practical exam.

3 Objective

The student will perform their XC, complete all the elements of their navlog, perform all checklist items, & communicate with ATC without their CFI in the aircraft. All calculations will be within tolerances, & the student will comply with all requirements under 61.109(5)(ii).

GROUND CONTENT

Review Navlog with CFI	Normal Takeoff
Review Endorsements	Timed Top of Climb
Review Weather with CFI	🔲 Fill Out Navlog ETE/ETA, ATE/ATA, GS
Review 91.103 data with CFI	Flight Following Between Airports
Review Destination Airport Information	Fuel Burn Management Each Leg
	Solo ATC Management
	Pilotage/Dead Reckoning
	Approach Planning Each Airport
Ground time:	Full Stop/Taxi Back Each Airport
(Recommend 0.7)	Top Off Aircraft Fuel (if needed)
	Flight time: (Recommend 3.0)

Additional Reading: FAA - Single-Pilot Crew Resource Management

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete:





Date:	

Student:

Private Pilot Lesson Plans Lesson #31

1 Introduction 2 Motivation

The student will fly with their instructor at night for the first time & be introduced to the new risks of night flying.

Flying at night presents new challenges that the student must be prepared for should they ever fly when it's dark outside.

3 Objective

The student will complete at least half of their required night landings with instructor assistance. They will be familiar with unique night time optical illusions & regulations.

GROUND CONTENT

FLIGHT ACTIVITIES Night Optical Illusions Night Takeoffs Night Vision Night Landings Go Arounds at Night Logging Night Time Rods vs. Cones Aborted Takeoffs at Night Airport Lighting Navigation at Night Pilot Equipment for Night Emergencies at Night Airport Lighting Ground time: (Recommend 0.7) **READING DUE:** Flight time:_ • Airplane Flying Handbook (Chapter 11) • Pilot's Handbook of Aeronautical (Recommend 1.5) Knowledge (Review Chapter 17)

Additional Reading:

Boldmethod - Logging Night Flight & Landings Boldmethod - 8 Hazards of Night Flying

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete: Re-Do:	Date:		
Private Pilot Lesson Plans Lesson #32			
1 Introduction	2 Motivation		
The student will conduct a cross country with their CFI at night time.	Night cross countries require more attention to detail due to the increased risk. Learning to mitigate those risks will increase safety & further develop ADM. Objective		
The student will complete the night XC re briefings, checklists, navigation, & radio c student will take into account risk mitigat	equirement for PPL. They will complete their navlog, communications without instructor assistance. The Ition for night flying & night illusions.		

GROUND CONTENT

FLIGHT ACTIVITIES

Night XC Risks	Avionics Set Up
Route Planning at Night	Night Route Lighted Checkpoints
Logging Night Time Review	Identifying Airports at Night
Night Equipment Requirements	Flight Following
Fuel Requirements	Basic Instrument Flight
Simulated Instrument Brief	Chart Usage at Night
	Aircraft Interior Lighting
	Single Pilot Resource Management
Ground time:	Hood Work Straight & Level (0.5)
(Recommend 0.5)	Night Landings
READING DUE:	Flight time:
Review any relevant AFH, FAR/AIM	(Recommend 2.5)
PHAK ChaptersAssigned by CFI:	Hood Time: (Recommend 0.5)

Additional Reading: AOPA - Night Flying

AOPA - Night Flying Accident Analysis Report 2017-2021

COMPLETION STANDARDS: ±5kts, ±100' altitude, ±10° heading, ±5 gallons of fuel, ±1 minute timing per leg

CFI SIGNATURE:

Complete: Re-Do: Private Pilot	Date:
1 Introduction	2 Motivation
The student will complete any remaining night requirements.	Night flying increases the already inherent risk of flight. Reviewing emergency operations at night will develop the student's ability to adapt. cctive
All remaining night requirements will be comp briefings, checklists & emergency procedures w GROUND CONTENT	leted. The student will perform all appropriate while taking into account the night flying illusions. FLIGHT ACTIVITIES
 Night Illusions Review Airport Lighting Night Emergencies Night Equipment Requirements 	 Avionics Set Up Night Landings Aircraft Exterior Lighting Aborted Takeoffs at Night Simulated Engine Out Chart Usage at Night Aircraft Interior Lighting Single Pilot Resource Management
Ground time: (Recommend 0.5) READING DUE: • Review any relevant AFH, FAR/AIM PHAK Chapters	Flight time: (Recommend 1.2)

Additional Reading: Boldmethod - Avoiding Hazards of Night Flying

FAA - Night Flying Tips

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading

CFI SIGNATURE:

Complete: Re-Do: Complete: Com	Date: Student:	
Private Pilot Lesson Plans Lesson #34 1 Introduction 2 Motivation		
The student will review all specialty landings & emergency procedures. 3 Objectiv	Checkrides test not only a student's skill & ADM, but also their consistency. To develop consistency, a student needs repeated practice. e	
The student will perform all landings & takeoffs wi	thout instructor assistance, perform all	

GROUND CONTENT FLIGHT ACTIVITIES Side Slip Reviews Short Field Takeoff Forward Slip Review Short Field Landing Full Stop Short Field Technique Soft Field Takeoff Soft Field Technique Soft Field Landing Full Stop Performance Considerations Side Slip Identify Runway Information on Chart Forward Slip Simulated Engine Out Simulated Pitot Static Failure Aborted Takeoffs Ground time: (Recommend 0.5) **READING DUE:** Flight time: (Recommend 1.5) Review any relevant AFH, FAR/AIM **PHAK Chapters** Assigned by CFI:

Additional Reading: Boldmethod - How to Safely Stop During a Rejected Takeoff

YouTube - Side Slips vs. Forward Slips (The Finer Points)

COMPLETION STANDARDS: ±5kts, ±100° altitude, +200°/-0 of landing spot

CFI SIGNATURE:





Date:	

Student:

Private Pilot Lesson Plans Ground Only **STAGE 3**

2

1 Introduction

Motivation

The student is now beginning stage 3, which will focus on preparing for their practical exam. By now, the **student should have taken their written test & passed.** The CFI must go over the areas in which the student was deficient on the test. Flight lessons should be longer to account for **more ground content** to review weak areas, & **longer flights** to prepare the student for the length of the practical exam. This is the final stretch before the applicant takes their checkride. It is the last chance to fine tune any weak areas & build up the student's abilities & confidence. Now that they've made it this far in their training, they are one step closer to earning their certificate.

3 Objective

The student will review all maneuvers, emergency procedures, briefings, checklists & planning elements of flight without instructor assistance. They will establish themselves as Pilot-in-Command, & everything will completed within ACS standards. Several mock checkrides should be scheduled, & the student held accountable for their studying & chair flying.

GROUND CONTENT

FLIGHT ACTIVITIES



CFI SIGNATURE:



Private Pilot Lesson Plans STAGE 3 REMINDERS

Congratulations on making it this far in your flight training! Stage 3 is solely for **practical exam preparation**, which includes filling in any gaps that the student may have, & double checking logbook entries.

A Stage 3 Check should be planned **no later than 1 week prior** to the student's practical exam. The stage check should be conducted with a flight instructor that the student has not flown with to replicate the nature of the practical exam with a Designated Pilot Examiner.

This is the time to ensure that the student & their flight instructor have **reviewed all of the missed questions** on the student's written exam.

PLEASE REFER TO AC 61.65(J) TO CHECK THAT ALL REQUIRED ENDORSEMENTS ARE PRESENT IN THE STUDENT'S LOGBOOK.

It is also imperative that the flight instructor & student schedule time to fill out the **IACRA documentation** required for the practical exam, as well as review the ACS.

Thank you & good luck!

Complete: Re-Do: Complete: Com	Date:		
Private Pilot Lesson Plans Lesson #35			
1 Introduction	2 Motivation		
The student will now begin stage 3 of their training: practical exam prep.	This is the final stretch of the student's training. They will review each element with their instructor to ensure proficiency leading up to their checkride.		

3 Objective

The student should be familiar with ACS standards & elements they'll be tested on. The student will perform each maneuver with minimal instructor assistance & remain within ACS standards.

GROUND CONTENT

FLIGHT ACTIVITIES

Stall Speed Review	Soft Field Takeoff
Maneuvering Speed Review	Flight Following for Maneuvers
Aerodynamics of Slow Flight & Stalls	Clear the Area
Aerodynamics of Steep Turns	Slow Flight (turns, descents & climbs)
Training Area Operations	Power Off Stalls (full stall)
Chair Fly Each Maneuver	Power On Stalls (full stall)
	Steep Turns
	Simulated Engine Out
Ground time:	Emergency Procedures
(Recommend 0.7)	Soft Field Landings
READING DUE:	Hood Work-Timed Turns/Turns to Headings(0.5)
Review any relevant AFH, FAR/AIM	Flight time:
PHAK Chapters	(Recommend 1.8)
Assigned by CFI:	Hood Time:

Additional Reading: AOPA - Slow Flight

Boldmethod - Power On Stalls Can Happen...

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±5° bank

CFI SIGNATURE:

Complete Re-Do:		TO FLY	Date: Student:
	Private Pilot	Less	on Plans
	Lesso	n #36	
1 Intro	oduction	2	Motivation

All specialty landings will be reviewed & techniques broken down into step-by-step.

Each landing has its own set of standards. Developing consistency will allow the student to build confidence in each approach & landing.

3 Objective

The student should be familiar with ACS standards & elements they'll be tested on. The student will perform each landing with minimal instructor assistance & remain within ACS standards.

GROUND CONTENT

FLIGHT ACTIVITIES



Additional Reading: AOPA - Energy Management

AOPA - Crosswind Taxi Tips

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±5° bank

CFI SIGNATURE:

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Re-Do: 🗖		St
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Date:	
tudent:	

Private Pilot Lesson Plans Lesson #37

This lesson should encompass all of the

student's weaker landings & maneuevers.

Introduction

1

2 Motivation

Checkride prep is an opportunity for students to turn their weaknesses into strengths.

3 Objective

The student should be familiar with ACS standards & elements they'll be tested on. The student will perform each landing with minimal instructor assistance & perform appropriate checklists & briefings without being prompted by the CFI.

GROUND CONTENT FLIGHT ACTIVITIES POH/AFM Familiarity Soft Field Takeoff Review Aircraft Maintenance Logs Soft Field Landing Full Stop Logbook Audit by CFI & Student Short Field Takeoff Review Weak Areas Short Field Landing Full Stop Maneuver 1 to Improve:_____ Maneuver 2 to Improve: Maneuver 3 to Improve:_____ Go Arounds Simulated Pitot Static Failure Ground time: (Recommend 1.0) **READING DUE:** Flight time:_____ (Recommend 1.5) Review any relevant AFH, FAR/AIM **PHAK Chapters** Assigned by CFI:

Additional Reading: AOPA - Energy Management

AOPA - Crosswind Taxi Tips

COMPLETION STANDARDS: ±5kts, ±100° altitude, ±10° heading, ±5° bank

CFI SIGNATURE:

Complete: 🗖



1



Date:	

Student:

Private Pilot Lesson Plans Lesson #38

This lesson is meant to act as a checkride profile. Utilize this mock plan of action during flight to prepare the student for their practical exam. **2** Motivation

FLIGHT ACTIVITIES

This is the student's opportunity to showcase everything they've learned & practiced into one entire flight, like they will on their checkride.

3 Objective

The student should treat their flight instructor like a passenger & assume Pilot-in-Command responsibility & mindset. The student will conduct all checklists, briefings, maneuvers & landings without instructor assistance & remain within ACS standards.

GROUND CONTENT

Introduction

Brief Plan of Action for Flight Normal Takeoff Review Performance Data Timed Top of Climb Student Briefing on Weather Diversion Brief XC Flight Plan Legs Flight Following Slow Flight Power Off Stall Power On Stall Unusual Attitudes Steep Turns Ground time: Emergency Descent (Simulated Fire) (Recommend 0.5) Ground Reference Maneuvers **READING DUE:** VOR Navigation to Airport of Choice Review XC Flight Plan Assignment Hood Work (180° Timed Turn, Turns to Headings) Simulated Engine Failure Landing (Full **REMINDERS:** Stop) The student should be able to explain the Soft Field Takeoff & Landing Full Stop reason behind every maneuver, takeoff & landing. They should be able to provide an Short Field Takeoff & Landing Full Stop example situation that they would be able Crosswind Takeoff & Landing to utilize each technique or maneuver. Go Around Navigate back to home airport

Flight time:

WITHIN ACS STANDARDS? Yes 🗖 No 🗖

CFI SIGNATURE:

Complete: 🗖

Re-Do: 🗖



Date:	

Student:

Private Pilot Lesson Plans Lesson #39

1 Introduction

2 Motivation

FLIGHT ACTIVITIES

As before, this is a mock checkride profile. Now, the landings will be done first & then maneuvers. This is one of the last chances the student has to tighten everything up before their Practical Exam.

3 Objective

The student should treat their flight instructor like a passenger & assume Pilot-in-Command responsibility & mindset. The student will conduct all checklists, briefings, maneuvers & landings without instructor assistance & remain within ACS standards.

GROUND CONTENT

Brief Plan of Action for Flight Normal Takeoff Review Performance Data Timed Top of Climb Student Briefing on Weather Diversion Brief XC Flight Plan Legs Flight Following VOR Navigation to Airport of Choice Hood Work (180° Timed Turn, Turns to Headings) Simulated Engine Failure Landing (Full Stop) Ground time: Soft Field Takeoff & Landing Full Stop (Recommend 0.5) Short Field Takeoff & Landing Full Stop Crosswind Takeoff & Landing **READING DUE:** 🔲 Go Around • Review XC Flight Plan Assignment Navigate to Training Area Slow Flight **REMINDERS:** Power Off Stall Clear the area prior to beginning any Power On Stall maneuvers. Clear every turn visually & verbally. The student should brief their Unusual Attitudes examiner on every approach into an Steep Turns airport, & call out any mistakes they've Emergency Descent (Simulated Fire) made & immediately correct for them. Ground Reference Maneuvers Navigate Back to Home Airport

Flight time:

WITHIN ACS STANDARDS? Yes 🗖 No 🗖

CFI SIGNATURE:



Date:	
Student:	

Private Pilot Lesson Plans Lesson #40 STAGE CHECK

1 Introduction

This stage check should be presented as a mock checkride with a flight instructor approved for stage 3 checks.

2 Motivation

Getting into the checkride mindset will help the student mentally prepare for the nerves & length of the actual practical exam.

3 Objective

All maneuvers, takeoffs, landings, briefings & checklists should be conducted without assistance from the Stage Check Instructor. The student presents themselves professionally & confidently & remains within ACS Standards at all times.

GROUND CONTENT

FLIGHT ACTIVITIES

Review Navlog (calculations &	Normal Takeoff		
checkpoints)	Timed Top of Climb		
Review Stage 3 Knowledge Test	Diversion		
Student Briefing on Weather	Flight Following		
Review Performance Data	Slow Flight		
Plan of Action Review	Power Off Stall		
	Power On Stall		
	Unusual Attitudes		
Ground time:	Steep Turns		
(Recommend 1.0)	Emergency Descent (Simulated Fire)		
	Ground Reference Maneuvers		
REMINDERS:	VOR Navigation to Airport of Choice		
This stage check should be planned no	Hood Work (180° Timed Turn, Turns to		
later than one week prior to the student's	Headings)		
minute lessons to be added to the	Simulated Engine Failure Landing (Fuil Stop)		
schedule to review any areas that need	Soft Field Takeoff & Landing Full Stop		
repeating.	Short Field Takeoff & Landing Full Stop		
	Crosswind Takeoff & Landing		
	Go Around		
	Navigate back to home airport		

WITHIN ACS STANDARDS? Yes I NO I Flight time:

Does this student need another lesson prior to their checkride? Yes 🗖 No 🗖

CFI SIGNATURE:



During the Logbook Audit, the CFI & Student should number each page of the student's logbook. Put the number in the lower right corner, **under the page totals & entry remarks**. Each required aeronautical experience should also be **TABBED** so it can easily be identified by the examiner. If the student is utilizing an electronic logbook, **print it** on paper & all relevant entries should be **highlighted**.

FLIGHT ACTIVITIES

40 Hours of Flight Time 20 Hours of Flight Training 10 Hours of Solo 5 Hours Solo Cross Country (50+ nm) Solo Cross Country of 150nm total distance, with full stop landings at 3 points, & one segment of the flight consisting of a straight-line distance of more than 50nm	 page(s): page(s): page(s): page(s): page(s):
Route of Flight:	
 3 Takeoffs & Full Stop Landings @ a Towered Airport 3 Hours of Cross Country Flight Training 3 Hours of Night Flight Training Night Cross Country of Over 100nm Total Distance 	<pre>page(s): page(s): page(s): page(s): page(s): page(s):</pre>
Route of Flight:	
10 Takeoffs & 10 Full Stop Landings at an Airport at Night 3 Hours of Flight Training Solely by	page(s):
Reference to Instruments 3 Hours of Flight Training Within the Preceding 2 Calendar Months	page(s): page(s):

CFI SIGNATURE:



ENDORSEMENTS

- Prerequisites for practical test: Title 14 of the Code of Federal Regulations (14 CFR) part 61, § 61.39(a)(6)(i) and (ii).
- Review of deficiencies identified on airman knowledge test: § 61.39(a)(6)(iii), as required.
- Flight proficiency/practical test: §§ 61.103(f), 61.107(b), and 61.109.
- Aeronautical knowledge test: §§ 61.35(a)(1), 61.103(d), and 61.105.
- All relevant solo enorsements.

DOCUMENTATION

- Written Exam Results
- IACRA 8710 Form (printed & electronically submitted)
- Medical Certificate
- Student Pilot Certificate
- Driver's License or Passport
- Logbook (Tabbed) & Logbook Overview Sheet
- XC Flight Plan Navlog
- Weight & Balance
- Aircraft Maintenance Logs (& completed worksheet)
- Examiner's Fee (check on their preferred payment method)





MAINTENANCE	COMPLETED	DUE
Annual		
100 HOUR	Tach:	Tach:
OIL CHANGE	Tach:	Tach:
ALTIMETER		
TRANSPONDER		
ELT		

Please refer to the aircraft's maintenance logs for all the appropriate records. The logs should be tabbed and/or highlighted for easy reference.

Tail Number:



 $W \times A = M$

Tail Number:

item	weight(lbs)	arm(in)	moment
Empty Weight			
Pilot			
Front Passenger			
Rear Pax 1			
Rear Pax 2			
Baggage Area			
Baggage Area 2			
Fuel			
Oil			

CG Location (inches):_____

TAKEOFF DISTANCE:

Ground roll:_____ Over 50ft:_____

LANDING DISTANCE:

Ground roll:_____ Over 50ft:_____



 $W \times A = M$

Tail Number:

item	weight(lbs)	arm(in)	moment
Empty Weight			
Pilot			
Front Passenger			
Rear Pax 1			
Rear Pax 2			
Baggage Area			
Baggage Area 2			
Fuel			
Oil			

CG Location (inches):_____

TAKEOFF DISTANCE:

Ground roll:_____ Over 50ft:_____

LANDING DISTANCE:

Ground roll:_____ Over 50ft:_____



 $W \times A = M$

Tail Number:

item	weight(lbs)	arm(in)	moment
Empty Weight			
Pilot			
Front Passenger			
Rear Pax 1			
Rear Pax 2			
Baggage Area			
Baggage Area 2			
Fuel			
Oil			

CG Location (inches):_____

TAKEOFF DISTANCE:

Ground roll:_____ Over 50ft:_____

LANDING DISTANCE:

Ground roll:_____ Over 50ft:_____



 $W \times A = M$

Tail Number:

item	weight(lbs)	arm(in)	moment
Empty Weight			
Pilot			
Front Passenger			
Rear Pax 1			
Rear Pax 2			
Baggage Area			
Baggage Area 2			
Fuel			
Oil			

CG Location (inches):_____

TAKEOFF DISTANCE:

Ground roll:_____ Over 50ft:_____

LANDING DISTANCE:

Ground roll:_____ Over 50ft:_____



 $W \times A = M$

Tail Number:

item	weight(lbs)	arm(in)	moment
Empty Weight			
Pilot			
Front Passenger			
Rear Pax 1			
Rear Pax 2			
Baggage Area			
Baggage Area 2			
Fuel			
Oil			

CG Location (inches):_____

TAKEOFF DISTANCE:

Ground roll:_____ Over 50ft:_____

LANDING DISTANCE:

Ground roll:_____ Over 50ft:_____