

<b>1</b>	<b>EXTERIOR</b>
Brakes .....SET Oil..... MNM 6 QT Prop, Alt belt..... CHK Lights..... CHK L Tires ..... CHK L Fuel ..... CHK, DRAINED Pitot heat ..... CHK Pitot..... CHK Static vents..... CHK R Tires..... CHK R Fuel..... CHK, DRAINED Chocks, Tie downs.....REMOVED	
<b>2</b>	<b>PRE-FLIGHT</b>
Magnetos .....OFF Flaps ..... CYCLED, UP, ARMED Cowl Flaps ..... CHK OPEN Ram Air .....CHK CLSD Controls..... CHK FREE / CORRECT Circuit Breakers..... CHK Master Switch..... ON Avionics..... ON Engine Monitor.....SET Gear Selector ..... DN, CHK Green Fuel Gauges..... CHK Fuel Selector Drain..... L & R, LATCHED	
<b>3</b>	<b>BEFORE STARTING</b>
Passenger Briefing..... COMPLTD Door ..... LATCHED Seats ..... LOCKED Seat Belts ..... SECURED ATIS / Departure Clearance .....RCVD Radios / Electrical Equipment .....OFF	

Fuel Selector ..... LOW TANK Prop..... HIGH RPM Throttle..... 1/8 OPEN Mixture ..... IDLE CUT-OFF Fuel Pump..... ON / CHK PRESSURE Brakes .....HOLD Prop Area ..... CHK CLEAR Prime (except w/ hot) Drain fuel lines 4 sec each Mixture full fwd 3 sec, aft 3 sec Magnetos ..... ON / START Mixture ..... SLOWLY TO RICH Oil Pressure ..... CHK
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<b>4</b>	<b>AFTER STARTING</b>
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BCN / NAV Lights..... AS RQD COM / NAV Radios ..... ON / CHK Pitot Heat .....AS REQD Auto Pilot / Electric Trim..... CHK Altimeters .....SET, XCHK GPS.....SET FUEL Transponder..... STBY Heading Indicators ..... CHK / SET Trim / Flaps ..... AS RQD T/O
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<b>5</b>	<b>TAXI</b>
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Mixture ..... LEAN Oil temp..... CHK MNM 75 F Brakes ..... CHK Flight Instruments..... CHK
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<b>B</b>	<b>DEP BRIEFING</b>
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- Wind
- Takeoff procedure
- Climb: Vx 94, after 400 agl Vy 108
- Routing / airspace restrictions
- Major malfunction on ground
- Engine failure on the runway—power to idle and brake while maintaining directional control.
- Engine failure below **800** feet—power to idle, pitch for 100 MPH, land the airplane and brake as appropriate
- Malfunctions after **800** feet will be handled as in flight emergency

<b>B</b>	<b>APPCH BRIEFING</b>
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1. This will be a \_\_\_ to runway \_\_ at \_\_\_\_
2. Field elevation is \_\_\_\_\_ feet
3. Time for the FAF to MAP will be \_\_\_min \_\_\_sec.
4. The MDA/DH for this approach will be \_\_\_\_\_ feet.
5. The required r.o.d. will be \_\_\_ FPM at \_\_\_Kts.  
    Get 3-degree descent by GS X 10/2
6. Approach notes are \_\_\_\_\_
7. Missed approach procedure is \_\_\_\_\_

Config	Fpm	TAS	MP	RPM
Climb	500	110		1234
Lvl		140	19.5	2400
Lvl		120	15	2400
Desc	500	120		
Desc G/D	-500	120	15	2400
Final FF	-300			

<b>E</b>	<b>ENGINE FAILURE AT T/O ROLL</b>
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Throttle ..... CLSD Brakes ..... FULL Flaps .....RETRACT Mixture ..... IDLE CUTOFF Magnetos ..... OFF Master ..... OFF
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<b>E</b>	<b>ENGINE FAILURE AT TAKE-OFF</b>
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Airspeed .....80 MPH Mixture ..... CUTOFF Magnetos ..... OFF Master ..... OFF Door ..... OPEN
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<b>E</b>	<b>ENGINE FAILURE IN FLIGHT</b>
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Airspeed ..... 100 MPH Best field .....SET HDG Checklist.....EXECUTE  Fuel pump ..... ON / if no restart OFF Mixture ..... RICH Fuel selector..... FULLEST / OTHER Magnetos ..... ON / BOTH  Transponder .....7700 Radio ..... 121.5 Shutdown .. Mixture / Mag / Master / Fuel Seatbelt ..... SECURE Door ..... OPEN
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V<sub>so</sub> 62 • V<sub>s1</sub> 68 • V<sub>Rot</sub> 75 • V<sub>x</sub> 94 • V<sub>y</sub> 108 • Cruise climb 120  
 V<sub>fe</sub> 125 • V<sub>lo</sub> 120 • V<sub>a</sub> 120 • V<sub>best glide</sub> 100 • Base 90 • Fin 80  
 All Speeds MPH

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6	RUN-UP
Brakes .....	HOLD
Fuel Selector .....	FULL TANK
Fuel Pump .....	OFF / CHK PRESS / ON
Mixture .....	RICH
Throttle .....	1700 RPM
Engine Inst .....	CHK
Ammeter .....	LOAD / CHK
Vacuum .....	4.6 – 5.4" Hg
Magnetos .....	R - BOTH - L - BOTH
Prop .....	CYCLE
Engine .....	1000 RPM / LEAN
Annunciator Lights .....	CHK
Autopilot .....	CHK OFF / SYNC F/D
7	BEFORE TAKE-OFF
Flight Instruments .....	CHK
Engine Instruments .....	CHK
Oil temp .....	CHK MNM 100
Fuel Pump .....	CHK ON
Fuel Selector .....	CHK FULL TANK
Dep & Emergency Briefing .....	COMPL
8	HOLD SHORT
Mixture .....	RICH
Landing Light .....	AS RQD
Transponder .....	ALT
HSI .....	CHK HDG
Timer .....	START
T/O Clearance .....	CHK RCVD
<b>PRE TKOF CHECKLIST COMPLETE</b>	

9	TAKE OFF
Air speed .....	ALIVE
Rotate .....	80 MPH
Climb .....	V <sub>x</sub> 94, V <sub>y</sub> 108 MPH
VSI .....	CHK POS RATE
10	AFTER TAKE-OFF (400 AGL)
Gear .....	BRAKE / RETR
Flaps .....	RETR
Landing Light .....	OFF
Climb Power .....	2600 / 26
Engine Instruments .....	CHK
Ammeter .....	CHK
Time .....	COPIED
11	CRUISE
Flight Instruments .....	CHK
Engine Instruments .....	CHK
Fuel Pump .....	OFF
Fuel Pressure .....	CHK
Cowl Flaps, Ram Air .....	AS REQD
Cruise Power .....	AS REQD
Mixture .....	LEAN
Fuel Selector .....	AS REQD

12	DESCENT
Rate .....	5 NM per 1000 ft
MP drop .....	1" per minute
Cowl Flaps, Ram air .....	CLSD
Mixture .....	AS REQD
Power .....	2500 / 22
13	IN RANGE
ATIS .....	CHK
APPCH / MISSED APPCH .....	REVIEW
<b>M</b> ISSED / <b>A</b> TIS / <b>R</b> ADIO / <b>T</b> IME / <b>H</b> DG / <b>A</b> LTIUDE	
APPCH NAV / MRKR BCN AUDIO ...	ON
FLIGHT / NAV INSTR .....	SET / CHK
Altimeter .....	SET / XCHK
Engine Instruments .....	CHK
Fuel Pump .....	ON
Mixture .....	ENRICH
Fuel Selector .....	FULLEST TANK
Brakes .....	CHK
14	BEFORE LANDING (1000 AGL)
OBS .....	CHK NAV
A/P .....	DISENG
F/D .....	AS RQD
Gear .....	CHK DN & LCKD
Prop .....	HIGH RPM
Flaps .....	AS REQD
Cowl Flaps .....	OPEN
LDG clearance .....	CHK RCVD
.....	RWY free
Base 90 – Final 80 – THR full flaps 70 MPH Reduce 5 MPH per 300lbs blw gross	
<b>LANDING CHECKLIST COMPLETE</b>	

15	AFTER LANDING
Flaps .....	UP
Cowl Flaps .....	OPEN
Fuel Pump .....	OFF
Pitot Heat .....	OFF
NAV Lights .....	OFF
Transponder .....	STBY
16	SHUTDOWN
Brakes .....	SET
Trim .....	TAKE-OFF
Radios .....	OFF
All Electrical Equipment .....	OFF
Mixture .....	IDLE CUT-OFF
Magnetos .....	OFF
Map / Panel / Overhead Lights .....	OFF
Master Switch .....	OFF
Controls .....	SECURE
Tie downs / Chocks .....	SECURE
Brakes .....	RELEASE
Door .....	LOCK
Pitot Cover .....	SET
Flight Plan .....	CLOSE

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