



### Soft Field Takeoff

Flaps.....25° (second notch)  
Accelerate to 41 to 49 KIAS depending on wt.  
Control wheel.....back pressure to rotate to climb attitude. After breaking ground, accelerate to 45 to 54 KIAS depending on aircraft weight. Accelerate to best flaps up rate of climb speed – 76 KIAS  
Flaps.....retract slowly

### Climb

Best rate (flaps up).....76 KIAS  
Best angle (flaps up).....64 KIAS  
En route.....87 KIAS  
Electric fuel pump.....OFF at desired altitude

### Cruise

Normal max power.....75%  
Power.....set per power table  
Mixture.....adjust

### Normal Descent

Throttle.....2500 rpm  
Airspeed.....126 KIAS  
Mixture.....Rich  
Carburetor Heat.....On if required

### Power Off Descent

Carburetor Heat.....On if required  
Throttle.....Closed  
Airspeed.....As required  
Mixture.....As required  
Power.....Verify with throttle every 30 seconds

### In Range

ATIS, AWOS.....listen  
Weather.....check  
HI and Compass.....align

### Approach and Landing

Fuel selector.....proper tank  
Belts/harness.....fasten/adjust  
Electric fuel pump.....ON  
Mixture.....set  
Flaps.....set - 102 KIAS max  
Trim to 75 KIAS  
Final approach speed (flaps 40°)...66 KIAS

### After Landing

Landing Light.....OFF  
Flaps.....retract  
Transponder.....standby

### Shut Down

Electric fuel pump.....OFF  
Monitor 121.5.....as needed  
Radios and electrical.....OFF  
Beacon.....ON  
Throttle.....full aft  
Mixture.....idle cut-off  
Magnetos.....OFF  
Master switch.....OFF  
Beacon.....OFF

### Parking

Parking brake.....set  
Control wheel.....secured with belts  
Flaps.....full up  
Wheel chocks and tie downs.....in place  
Windscreen.....clean

### Airspeeds

**Best glide 76 KIAS**  
**Vx 64**  
**Vy 76**  
**Vso 49**  
**Vs1 55**  
**Vfe 102**  
**Va 113 (at 2500#)**  
**Vno 125**  
**Vne 154**  
**V downwind 75**  
**V base 70**  
**V final 40° 66**

### EMERGENCY FREQUENCIES

121.5  
Transponder 7700

### MASON (TEW)

Elevation – 919' Elevation  
CTAF – 122.7  
AWOS – 119.425