



Slow Flight & Power Off Stalls

Cherokee settings, Archer settings are highlighted

- **Configuring**
 - 2100 RPMs
 - ESP off
 - Trim for level flight above 2000' AGL
 - 3 Notches of Flaps
 - Trim to maintain altitude
 - Adjust power to maintain 60 mph **55 kts**
- **Turns In Slow Flight**
 - Add 100 RPMs to current RPM setting to maintain altitude
 - Bank the aircraft to 15-20*
 - Trim aircraft to maintain level flight
- **Descents in Slow Flight**
 - Power to Idle
 - Trim to Maintain starting airspeed
- **Climbs in Slow Flight**
 - Full Power
 - Trim to Maintain starting airspeed
- **Power Off Stall**
 - In level flight reduce throttle to idle
 - Allow the nose to pitch down like a landing
 - Pull the yoke back and maintain the nose of the aircraft on the horizon
 - Use rudders to keep the airplane flying straight toward a point on the horizon
 - Vocalize 1st indication of stall
- **Stall Recovery**
 - Relax back pressure
 - Full Power
 - Rudders to keep wings level
 - Flaps from 3 -> 2
- **Spin Prevention**
 - **PARE**
 - Power to Idle
 - Ailerons Neutral
 - Rudder opposite direction of spin
 - Elevator down and then up
- **Parameters for slow flight**
 - $\pm 100'$ on altitude
 - $\pm 10^\circ$ of bank angle
 - $\pm 10^\circ$ rollout from start of maneuver
 - ± 10 mph on airspeed