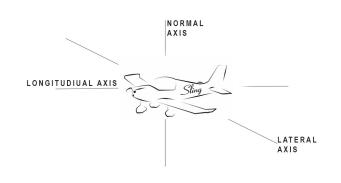
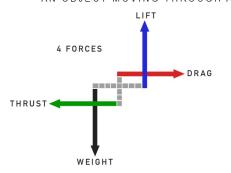
EFFECTS OF CONTROLS

TO OPERATE THE PRIMARY CONTROL SURFACES AND OBSERVE THE PRIMARY, SECONDARY AND FURTHER EFFECTS THEY HAVE ON THE AIRCRAFT

AIRMANSHIP: "I HAVE CONTROL" "YOU HAVE CONTROL"



LIFT: LIFT IS A FORCE GENERATED BY AN OBJECT MOVING THROUGH A FLUID



LIFT =
$$CL_{2p}^{1}$$
 V^{2} S

CON	TROL	SURFA	ACES
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PRIMARY EFFECT

SECONDARY OR FURTHER EFFECT

Elevator	Pitch Up Pitch Down	Fast / Slow
Aileron	Roll	Slip / Yaw
Rudder	Yaw	skid / Roll

BELOW CRUISE

CRUISE

ABOVE CRUISE

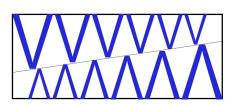
AIRFLOW	Less Firm Less Responsive SLOPPY	Firm Responsive	More Firm More Responsive
POWER AND PROPELLER	Nose pitches Down Yaws Right	Aircraft flies Straight	Nose pitches Up Yaws Left

TRADE OFF BOX:

ANCILLORY CONTROLS:

ENGINE

ON THE GROUND:



TRIM: Relieves Control Column

Pressure

FLAP: Lift generating device

Fuel Injected

Carburetor (icing)

Rudder: Left & Right

Power: Controls Speed

Brake: Stopping