Ulster Flying Club
Cessna C152
Weight and Balance

	WEIGHT (lbs)		ARM (ins)		MOMENT (lbs-ins)
Basic Weight		x		=	
Fuel		x	40.0	=	
Pilots		x	39.0	=	
Passengers		x	39.0	=	
Front Baggage		x	64.0	=	
Rear Baggage		x	84.0	=	
Takeoff Weight					
Fuel Burn					
Landing Weight					

1670 lbs
MAXIUM TAKEOFF WEIGHT

ALL WEIGHTS ARE IN POUNDS

Aircraft burns 23ltrs per hour

Aircraft	Weight		Arm		Moment
G-UFCN	1235	x	30.75	=	37976.3
G-PTTB	1219	x	31.24	=	38081.6

Instructions

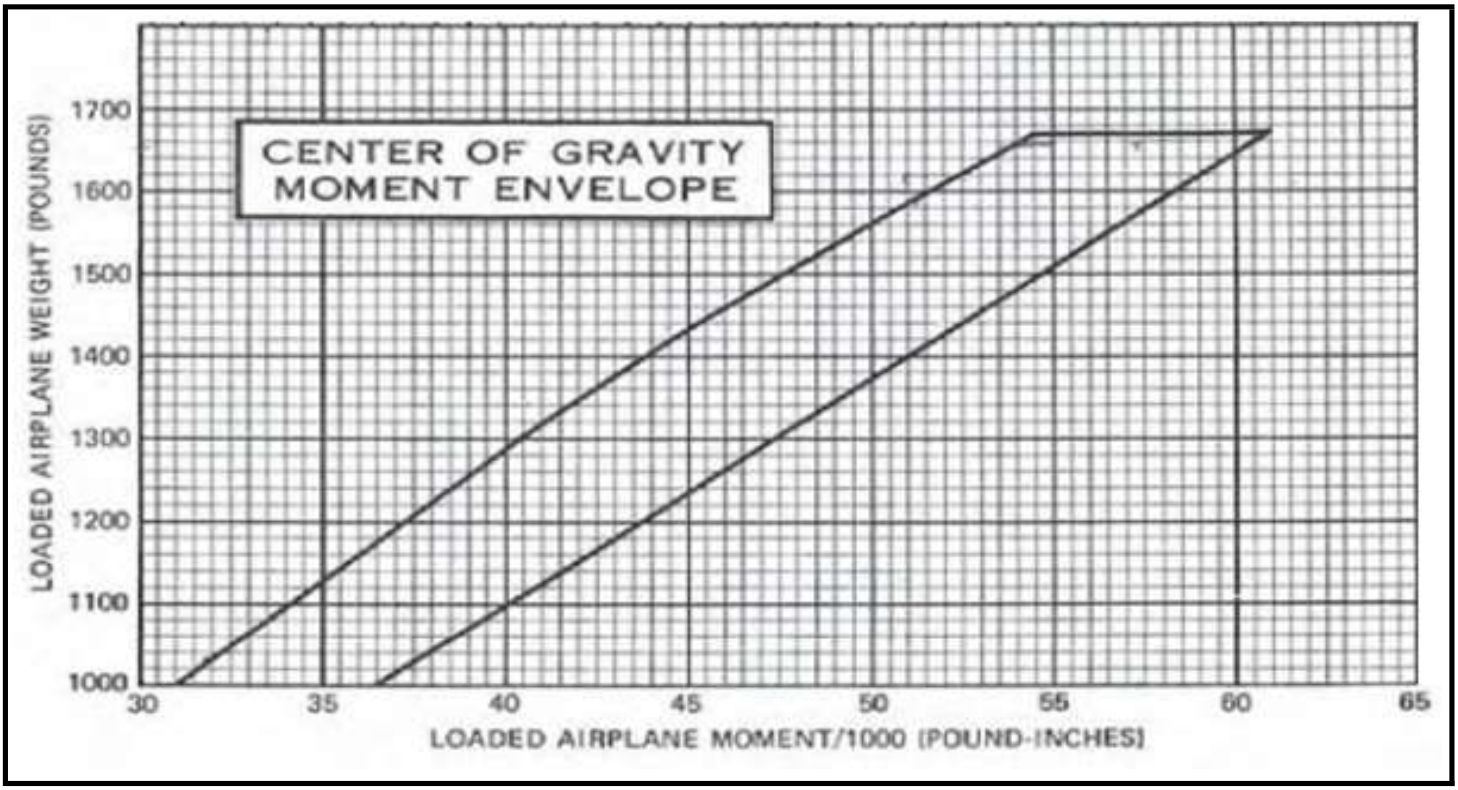
Using the table above, insert the weight, arm and moment for your aircraft on the top line.

Insert the weights for Fuel, Pilots, Passengers, and baggage in the left columns. **Fuel quantity should be converted to weight**. Add these up to give you an actual take off weight. Deduct the expected fuel burn from the Take off weight to give you a landing weight.

Multiply each weight by the arm to give a moment. Total all moments in the right column to give a Take off Moment.

Using the graph below, draw a horizontal line from the left to show the takeoff weight, and a vertical line from the bottom to show the takeoff moment.

Both lines MUST meet in the CofG Envelope



Weight Conversions

Litres	x	1.58	=	lbs
US Gallons	x	6	=	lbs
Kilograms	x	2.2	=	lbs

Fuel Usage / Capacity

G-UFCN	142 litres max usable
G-PTTB	91 litres max usable