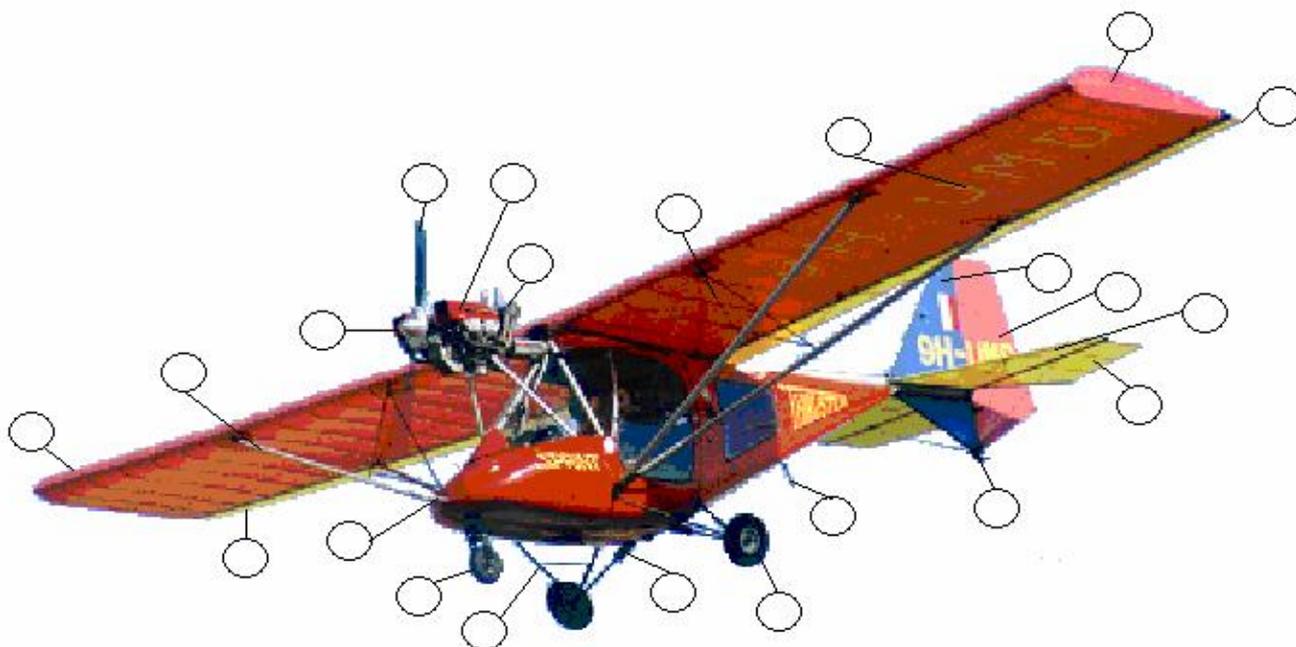


## **MICROLIGHT CADET PILOTS**

### **COURSE SYLLABUS**

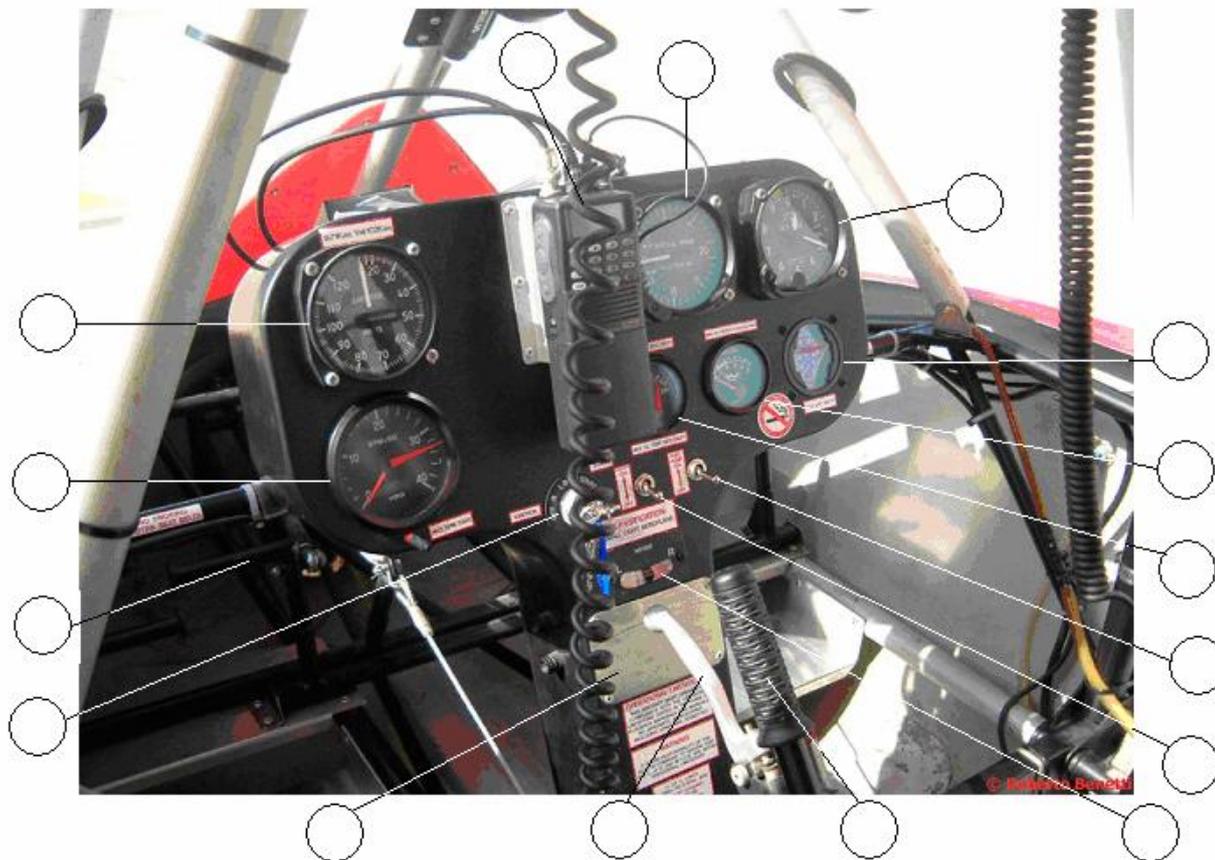
DAY	TOPIC	LESSONS
1.	INTRODUCTION	ADMINISTRATION/REGISTRATION
2.	HISTORY	
3.	AERODYNAMICS	AIRCRAFT COMPONENTS/ FORCES
4.		EFFECTS OF CONTROL
5.	ENGINES	4 STROKE
6.		2 STROKE
7.	NAVIGATION	
8.	INSTRUMENTS	
9.	TRAFFIC PATTERNS	
10.	SURVIVAL / SEARCH AND RESCUE	
11.	AIR TRAFFIC CONTROL	
12.	VISIT FIRE DEPT	
13.	VISIT MET OFFICE	
14.	FLIGHT	

**MICROLIGHT CADET PILOTS**  
**AIRCRAFT COMPONENTS**



- |                   |                 |                            |
|-------------------|-----------------|----------------------------|
| 1. SILENCER       | 2. MAIN WHEEL   | 3. SKID                    |
| 4. AILERON        | 5. REGISTRATION | 6. FIN                     |
| 7. LEADING EDGE   | 8. JURY STRUT   | 9. UNDER CARRIAGE          |
| 10. ELEVATOR      | 11. STRUT       | 12. VERTICAL<br>STABILISOR |
| 13. HUB           | 14. NOSE WHEEL  | 15. AEROFOIL               |
| 16. RUDDER        | 17. ENGINE      | 18. SHOCK ABSORBER         |
| 19. TRAILING EDGE | 20. PITOT TUBE  | 21. ANTENNA                |
| 22. PROPELLER     |                 |                            |

## MICROLIGHT CADET PILOTS COCKPIT LAYOUT



1. BRAKE

2. VARIOMETER

3. CYLINDER HEAD  
TEMPERATURE

4. ALTIMETER

5. AIR SPEED  
INDICATOR

6. PEDALS

7. STICK

8. OIL  
TEMPERATURE

9. REGISTRATION  
PLATE

10. OIL PRESSURE

11. SLIP INDICATOR

12. RPM

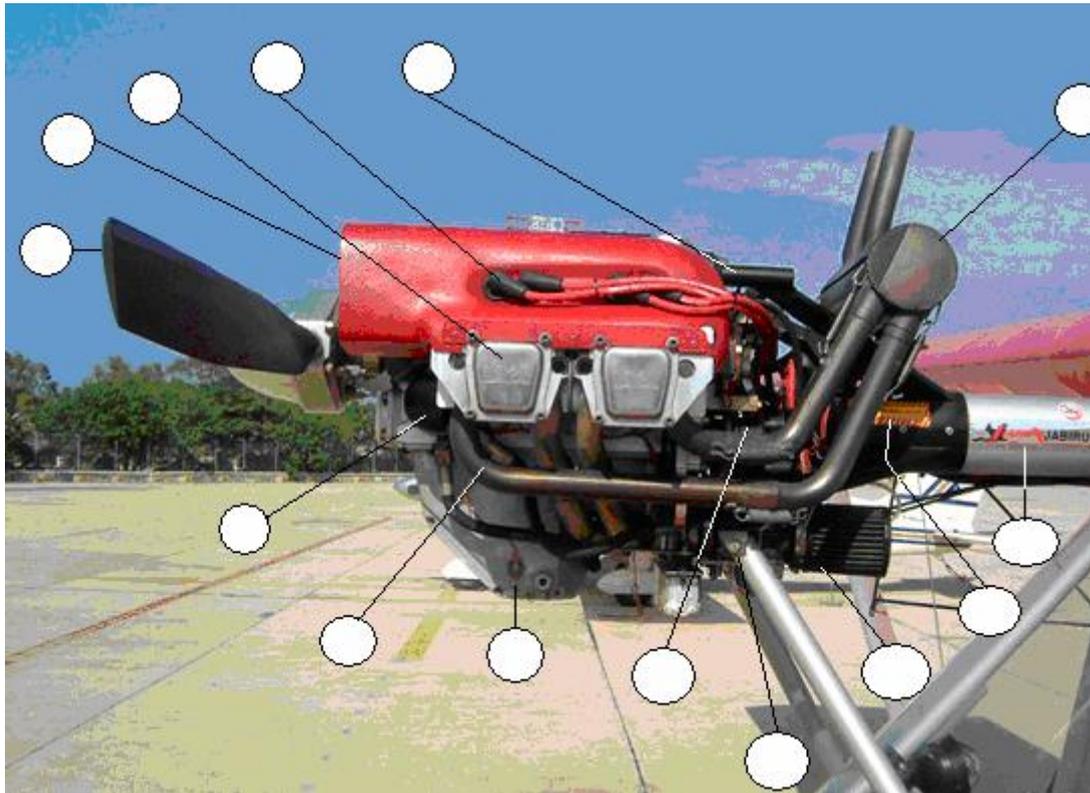
13. IGNITION SWITCH

14. BATTERY

15. ELECTRICAL FUEL  
PUMP

16. RADIO

**MICROLIGHT CADET PILOTS**  
**ENGINE COMPONENTS**



1. DISTRIBUTOR

2. SILENCER

3. CYLINDER

4. COWL

5. BOOM

6. ENGINE MOUNT

7. PROPELLER

8. OIL FILTER

9. OIL SUMP

10. EXHAUST  
MANIFOLD

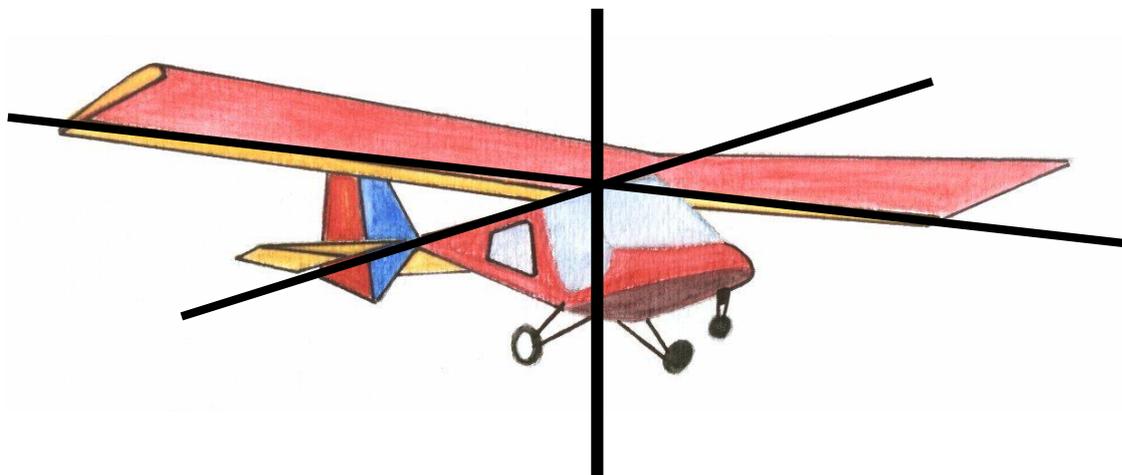
11. ENGINE MOUNT  
BRACKET

12. OIL FILTER

13. SPARK PLUG

14. DANGER  
PROPELLER ARC

**MICROLIGHT CADET PILOTS**  
**AIRCRAFT AXES**

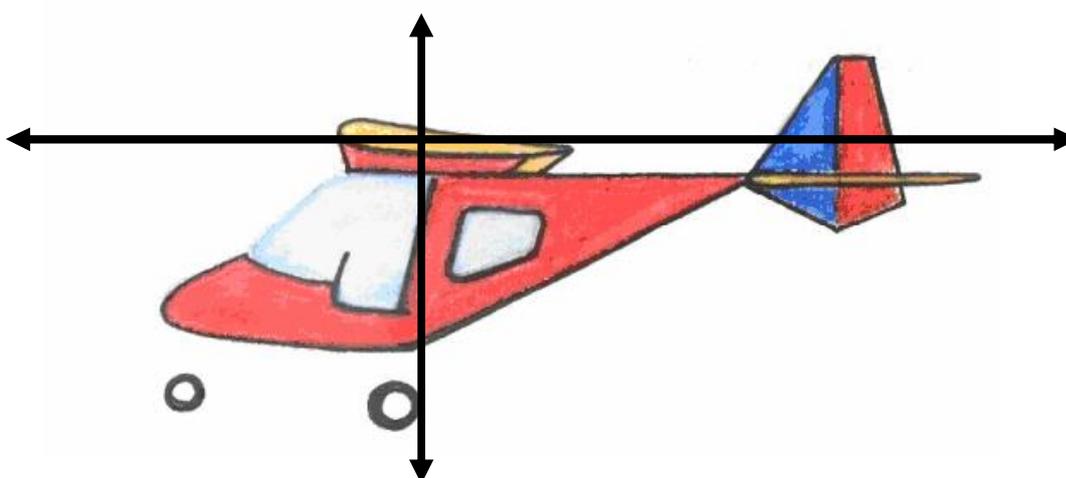


LONGITUDINAL AXIS

VERTICAL AXIS

HORIZONTAL AXIS

**AIRCRAFT FORCES IN FLIGHT**



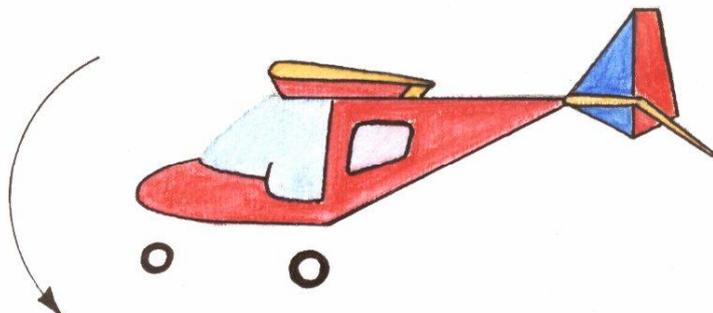
THRUST

LIFT

WEIGHT

DRAG

**MICROLIGHT CADET PILOTS**  
**EFFECTS OF CONTROL**

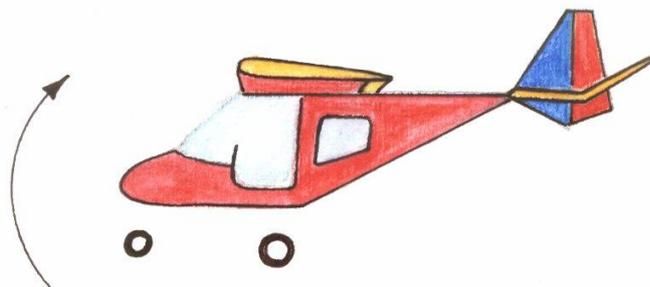


**NOSE UP**

STICK

ELAVATOR

AIR SPEED

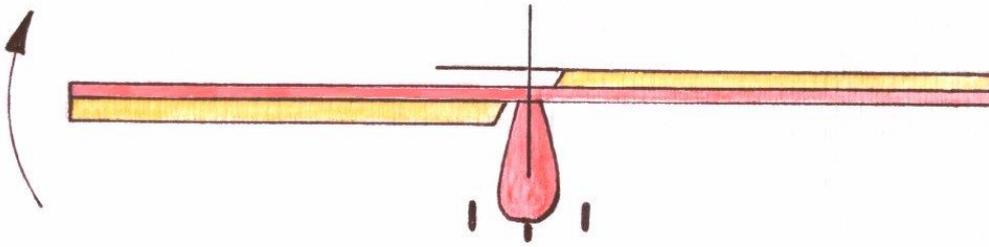


**NOSE DOWN**

STICK

ELAVATOR

AIR SPEED

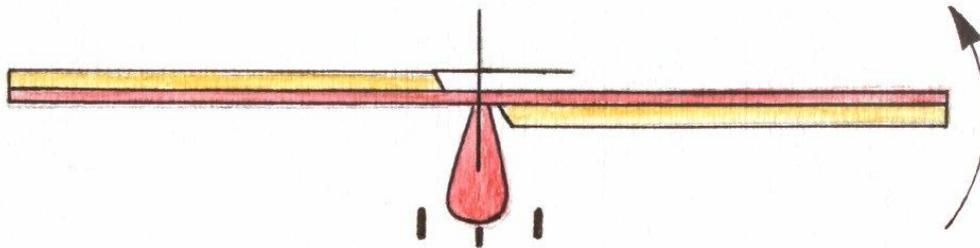


**BANK LEFT**

STICK

AILERONS

HEADING

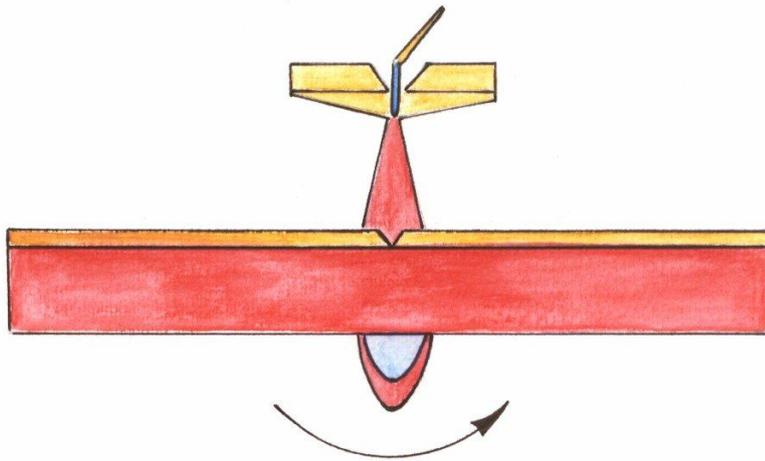


**BANK RIGHT**

STICK

AILERONS

HEADING



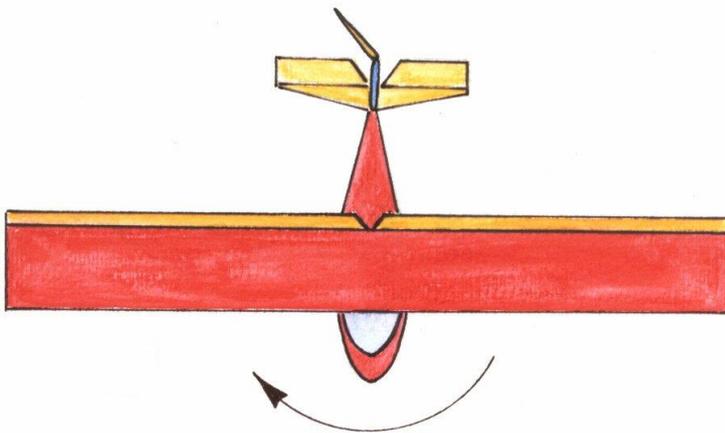
**YAW LEFT**

RUDDER

NOSE

HEADING

BALL



**YAW LEFT**

RUDDER

NOSE

HEADING

BALL

MALTA – LMML

## 24 HOUR EXECUTIVE AIRCRAFT & GENERAL AVIATION HANDLING SERVICES

Please contact MIA frequency VHF 131.55



ARP	35°51'31"N	14°28'41"E
ELEV.	300Ft.	
RWY	14-32	3544m x 60m
	06-24	2377m x 45m
PRECISION APPROACHES		
ILS DME 14	109.70	LQ
ILS DME 32	110.50	LM
FREQUENCIES		
MIA HANDLING	131.55	
TOWER	118.90	
APP-RADAR	121.00	
MALTA CONTROL	128.70	



MALTA INTERNATIONAL AIRPORT Luqa LQA 05, Malta.  
Tel: (356) 249 600 (Contact Customer Service)  
Fax: (356) 249 564 Sita: MLAMIKM