



# SCOUT AIR ACTIVITY CENTRE- VICTORIA

## Scout Air Activity Cub Level 2 Flight Badge





To achieve the Cub Level 2 Flight Badge you must complete all of the requirements below:

Name: \_\_\_\_\_

Unit \_\_\_\_\_ Date \_\_\_\_\_

### 1. RECOGNITION

Write down the type of aircraft and their function and use.

	Type of Aircraft	Function/Use
	<p>.....</p>	<p>.....</p>
	<p>.....</p>	<p>.....</p>
	<p>.....</p>	<p>.....</p>
	<p>.....</p>	<p>.....</p>



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### 2. WEATHER

- (a) Explain how the three elements of weather can have an effect on the flight performance of an aircraft

Element of Weather	Effect on Flight Performance of an Aircraft
Rain/Snow	..... .....
Temperature	..... .....
Air Pressure	..... .....

- b) Describe four signs of changes in the weather in Melbourne and what weather is likely to follow as a result of the sign.

**(i) Sign of Change: Wind from the East**

Describe the likely weather:

.....  
.....



**(ii) Sign of Change: Cumulus Clouds (pictured above)**

Describe the likely weather:

.....  
.....

**(iii) Sign of Change: Red sky in the morning**

Describe the likely weather:

.....  
.....



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### (iv) Sign of Change: Changing wind directions

Describe the likely weather:

.....

.....

.....

.....

.....

.....

### 3. THEORY

(a) (i) What are three differences between a monoplane and a biplane?

1. ....
2. ....
3. ....

(ii) Label which is the monoplane and label which is the biplane below



.....



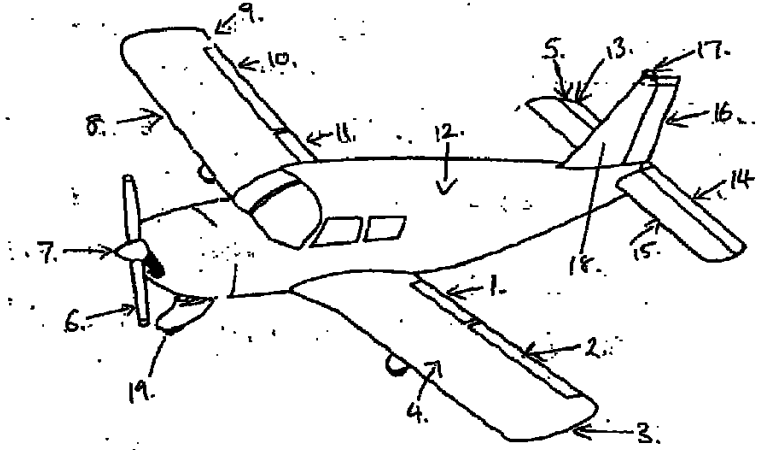
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b) Name the following numbered parts of an aircraft in the table below:



1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
19.

Left Flap
Right Flap
Left Aileron
Right Aileron
Right Elevator
Left Elevator
Wing Tip
Rotating Beacon
Fin/Vertical Stabiliser
Fuselage
Trailing Edge
Leading Edge
Trim Tab
Propeller
Mainplane / Wing
Tailplane
Wheel / undercarriage
Spinner
Rudder

### 4. ACTIVITY

Have a flight in a light aircraft with the Scout Air Activity Centre- Victoria. Set out below the details of your flight:

Airport/Aerodrome: Moorabbin, Victoria Type of aircraft: Piper Warrior

Aircraft Callsign: VH-.....

Pilot Name: .....

Passengers with you: .....

Date and time of flight: .....