



Stage 2



Name:

Scout Group:

Section 1: Airfields Can Be Dangerous Places!

Know the dangers involved in visiting an airfield. Read the statements below and tick the correct answer.

1. An aeroplane on the ground is taxiing towards you. Should you...?

- Run away?
- Stand still?
- Lie down?

2. You should never drop litter, but why is it especially important not to drop litter on an airfield?

- It makes the airfield look untidy.
- Rubbish might blow off the airfield into someone's garden.
- Pieces of litter could get sucked into jet engines and damage them.

3. A winch cable, for launching gliders, is lying on the ground. Should you...?

- Leave it alone?
- Pick it up and practice tying knots with it?
- Attach it to something, such as another cub scout?

4. A jet aeroplane is standing on the tarmac with its engine running. Where is safe to stand?

- In front of the jet intake.
- Behind the jet exhaust.
- To the side of the aircraft and well clear.

5. You are waiting for a helicopter to land. Should you...?

- Stand on the spot where it is going to land so that you get a good view?
- Run towards it as it descends?
- Keep well away and wait for the rotors to stop and the pilot to signal it's safe before you approach it?

6. You see a red triangle near the cockpit of a jet aeroplane. What does it mean?

- Ejector seat.
- Don't climb on the aircraft.
- Nothing – it's just a pretty pattern.

7. A light aircraft is being serviced in a hangar. Is it safe to...?

- Turn the propeller by hand?
- Get into the cockpit and try the controls?
- Assume that the aircraft is a dangerous place and keep well clear?

2. Visit an airfield, air display or air museum

By visiting the RAF Museum today you have completed requirement 2 of your Stage 2 Air Activities Badge.

3. Choose three of the following activities to complete

- Name and identify the main parts of an aeroplane.
- Name and identify different types of aircraft (such as powered aeroplanes, airships or gliders).
- Explain how different weather conditions can affect air activities.
- Collect and identify six pictures of different aircraft. Share them with others in your section.

Remember you only have to complete three!

Activity 3a: Parts of an Aeroplane

Fill in the spaces using the words below:

Fuselage – the body of an aeroplane

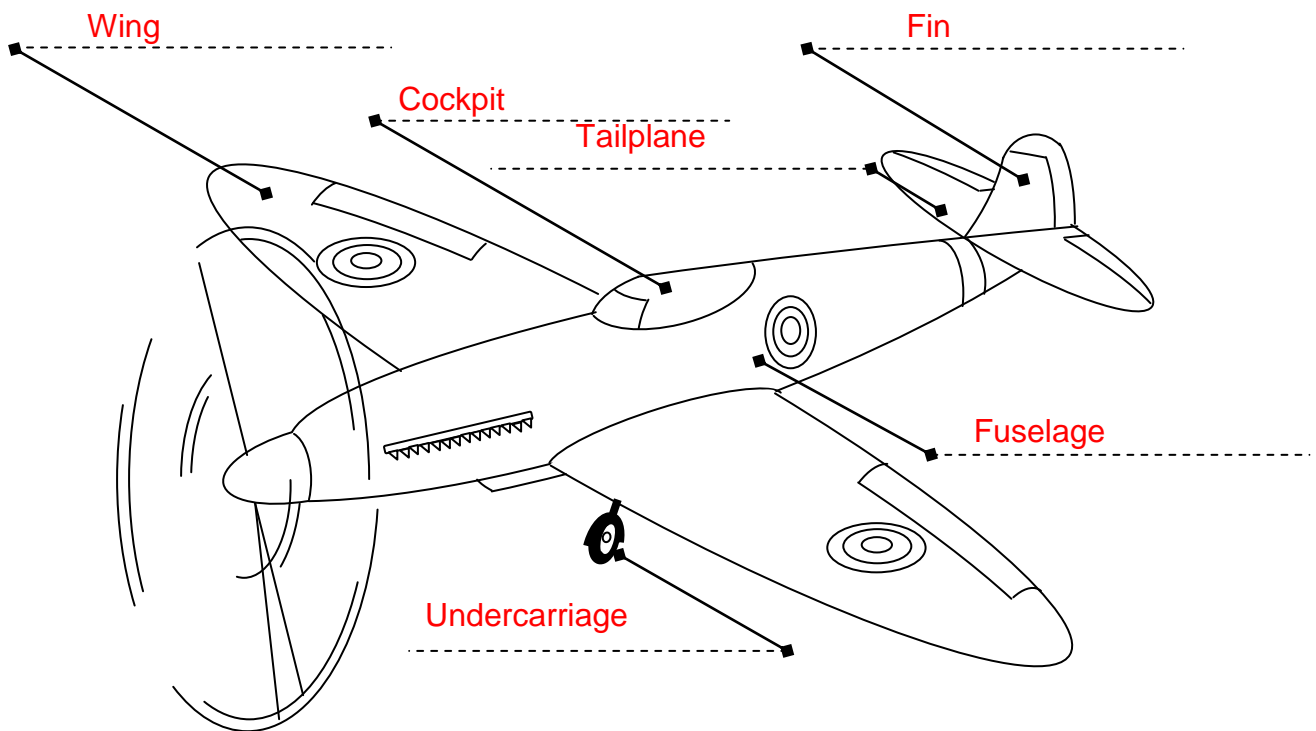
Wing – the part which supports the aeroplane when flying

Tailplane – small horizontal wing at the tail of the aeroplane

Fin – the upright surface on the tail

Undercarriage – the landing gear and wheels

Cockpit – where the pilot sits



The large model Spitfire in the Aeronauts gallery will help you find out about the different parts of an aeroplane and how they work.

Activity 3b: Naming and Identifying different types of Aircraft

As you walk around the galleries find examples of the different types of aircraft listed below:

You won't be able to find an **Airship**, but if you look up in Historic Hangars you might find the Control Car from one. Which Airship did it belong to? **HM Airship R-33 (in Historic Hangars)**

Fill in the name of an aircraft in the Museum that is a:

Biplane e.g. De Havilland Bristol Bulldog, DH9, Tiger Moth, Sopwith Camel

Monoplane with propeller e.g. Supermarine Spitfire, Hawker Hurricane, Thunderbolt

Twin engined aeroplane e.g. De Havilland Mosquito, Beaufighter, Hudson

Jet-propelled aeroplane e.g. Hawker Harrier, Meteor, Typhoon, Hunter, Phantom, Tornado

Helicopter e.g. Westland Wessex, Whirlwind, Merlin, Gazelle

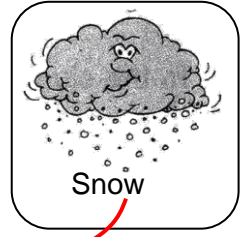
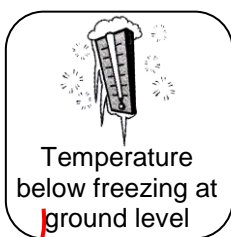
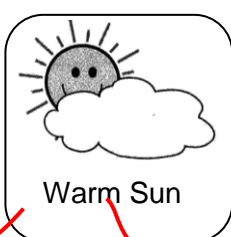
Flying Boat e.g. Supermarine Southampton, Stranraer, Sunderland

Four engined aeroplane e.g. Avro Lancaster, Liberator, B17 Flying Fortress

Glider e.g. Slingsby Cadet Mk III, Clark Glider

Activity 3c: Explain how different weather conditions can affect air activities

Match each weather condition to the correct statement about flight



Perfect for gliding

De-ice aircraft before flight

Wait for improved visibility before taking off

Clear runway before aircraft land or take off

Ideal conditions for ballooning

Bumpy conditions for flight

Activity 3d: Collect and identify six pictures of different aircraft. Share them with others in your section.

Take a photograph of 6 different aircraft that have interested you at the RAF Museum. Write the name of each aircraft below and one fact about it to tell the others in your section.

1. Aircraft Name: _____

Key fact: _____

2. Aircraft Name: _____

Key fact: _____

3. Aircraft Name: _____

Key fact: _____

4. Aircraft Name: _____

Key fact: _____

5. Aircraft Name: _____

Key fact: _____

6. Aircraft Name: _____

Key fact: _____



Well done! You have completed all of the requirements for your Stage 2 Air Activities Badge.