

AIR ACTIVITIES BADGE STAGES 1 & 2



Your name _____

1. Make a dart out of paper and see how well it flies

How to make a paper dart

You will need:

- A4 paper
- Pencil

1. Take an A4 sheet of paper and put a dot on the top left and top right hand corners.



2. Fold the piece of paper in half lengthways.



3. Fold one of the corners with a dot on it down to the centre fold. Turn the paper over and do this with the other dotted corner as well.



4. Next fold one of the long edges down to the centre fold. Turn the paper over and do the same for the other long edge.

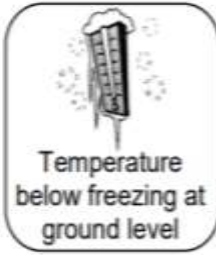
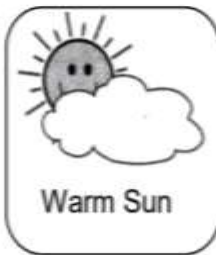


5. Hold the centre fold and open the wings. Now throw!!!

- Does your paper plane fly?
- Can you make your paper plane fly further?
- Would you change the design?



Match each weather condition to the correct statement about flight



Perfect for gliding

De-ice aircraft before flight

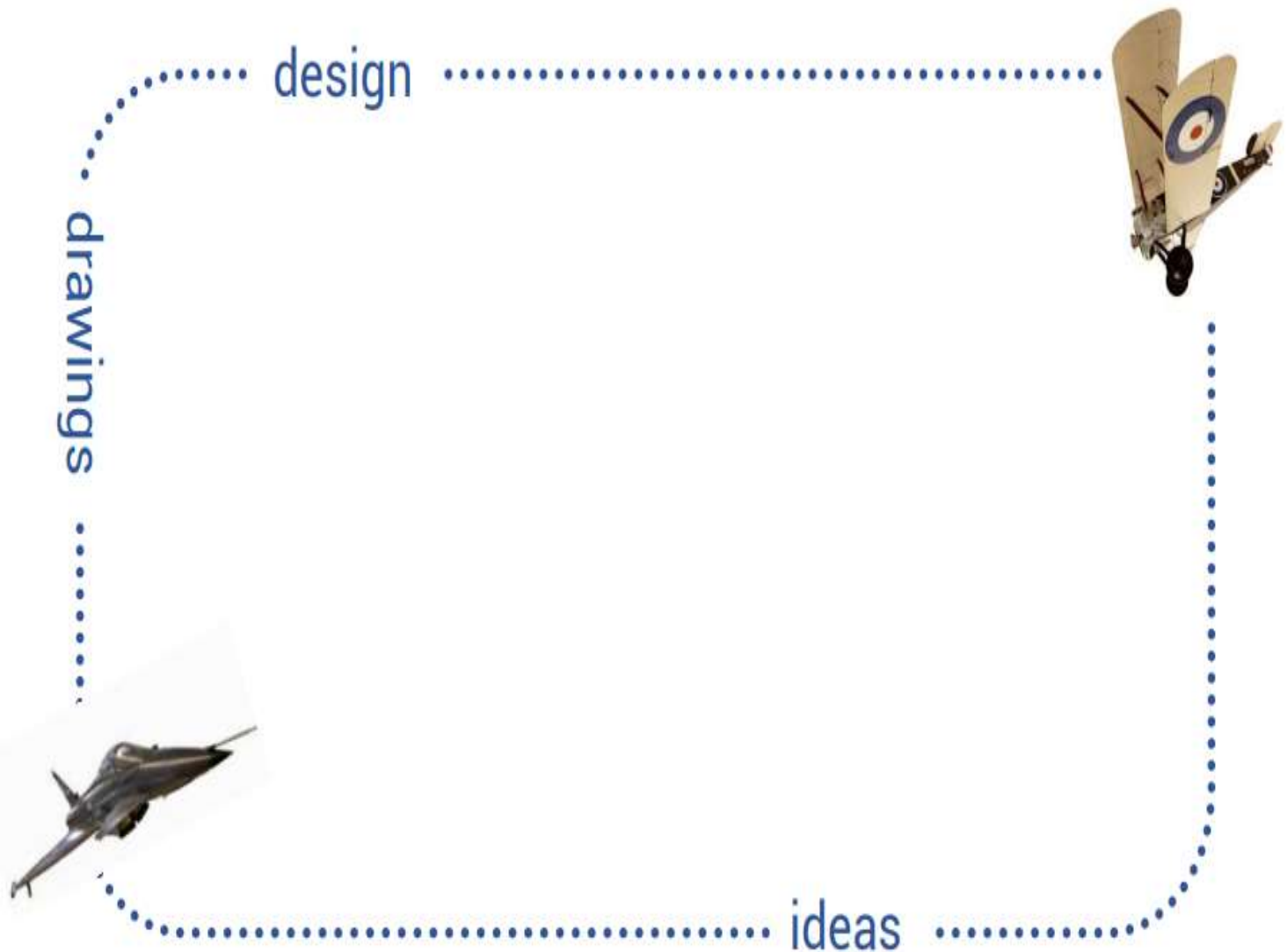
Wait for improved visibility before taking off

Clear runway before aircraft land or take off

Ideal conditions for ballooning

Bumpy conditions for flight

Imagine that you are an aircraft designer and draw your design in the box:



Hunt for the hazard

There are many hazards that can occur on an airfield. Using the seven hazards in the table, draw them on the airfield picture. Talk about why they are dangerous and how they could be avoided, then write these in the table under risks and solutions.



HAZARD	RISKS	SOLUTIONS
Runway incursion (when an unauthorized aircraft, vehicle or person is on a runway)		
Baggage left on the middle of a taxiway		
Person walking close to a engine		
FOD (Foreign Object Debris)		
Fumes coming from an engine		
Spillages (e.g. fuels, chemicals)		
Tree with birds near a runway		