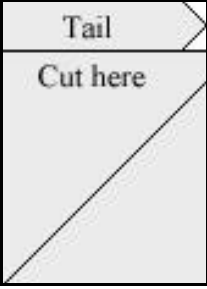
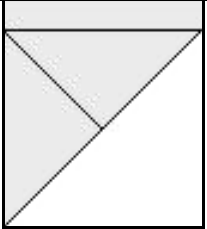
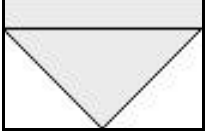
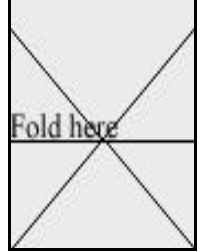
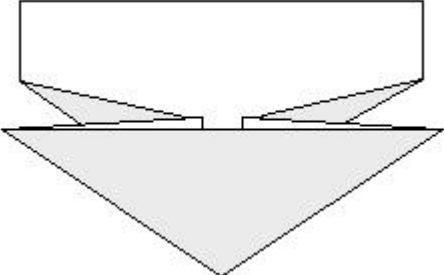
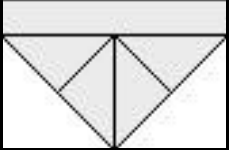




Air Activities Badge



Requirement 3a – Paper Aeroplanes

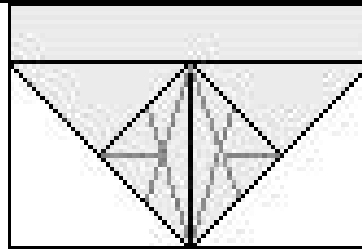
Paper Aeroplane 1 - The Swallow	
This plane flies best if thrown underarm vertically upwards as hard as possible. It then swoops and dives like its namesake, the Swallow.	
Cut the tail out (see label on DIAG. 1) and fold along the diagonal line creasing well.	 DIAG. 1
Now fold along the diagonal line on DIAG. 2 creasing well.	 DIAG. 2
Now it should look like DIAG. 3 .	 DIAG. 3
Fold along the horizontal line on DIAG. 4 .	 DIAG. 4
Now push this form together to make the shape in DIAG. 5 .	 DIAG. 5
Fold the flaps over to form DIAG. 6 .	 DIAG. 6



Paper Aeroplanes

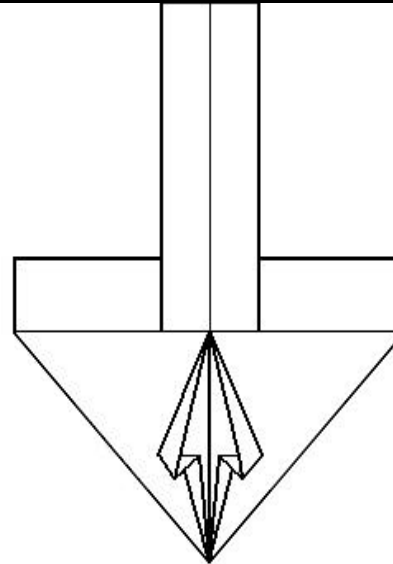


Now fold along the dark grey lines in **DIAG. 7.**



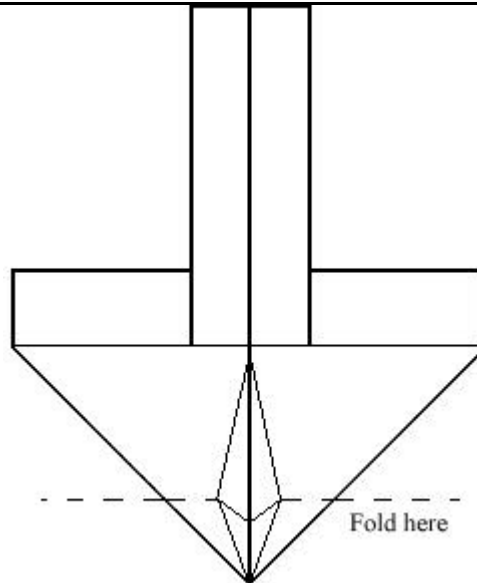
DIAG. 7

Now fold it together as in **DIAG. 8.** Place the tail so that the angle at the end is pressed right up into the nose.



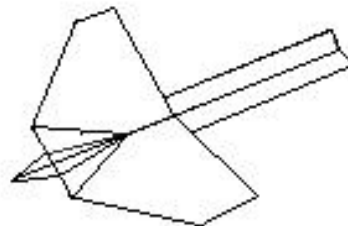
DIAG. 8

Now fold where the dotted line is in **DIAG. 9** under the wing trapping the tail in place.



DIAG. 9

Now turn the plane over to give you the plane as shown here.





Paper Aeroplanes

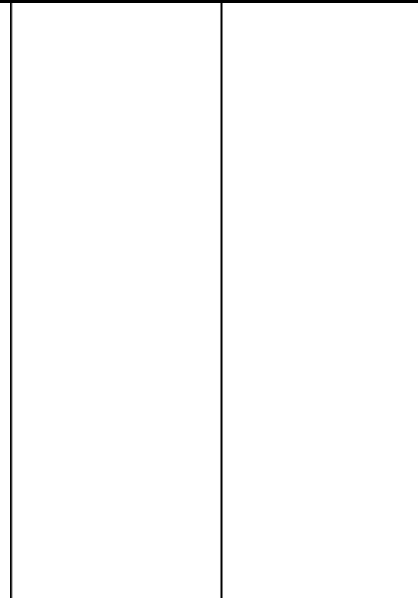


Paper Aeroplane 2 - The Trainer

This is one of the best balanced gliders ever and it is quick to make from a sheet of A4 paper.

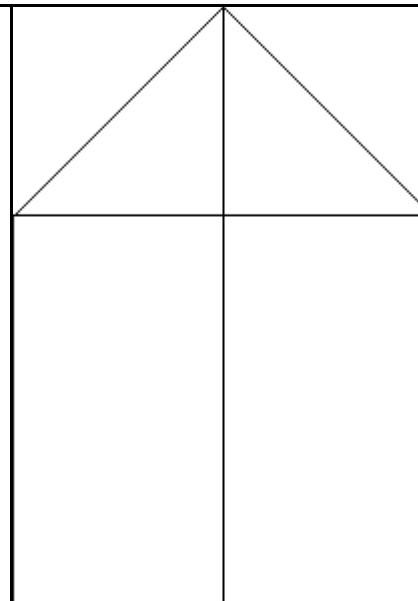


Firstly fold an A4 sheet of paper in half (longwise) along the central line shown in **DIAG. 1** and then open it out again.



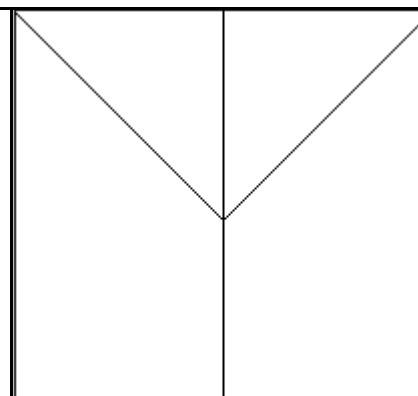
DIAG. 1

Fold the two top corners in to the center line to give the form in **DIAG. 2**



DIAG. 2

Then fold the top large triangle over so that the two flaps formed in step 2 are underneath the large triangle. Your paper should now look like **DIAG. 3**

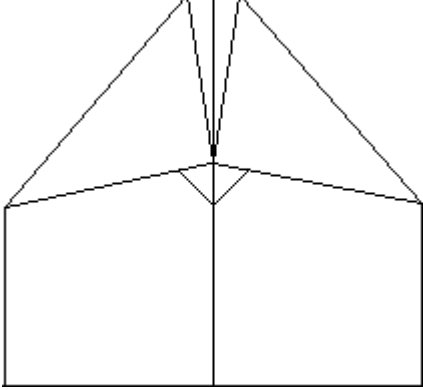
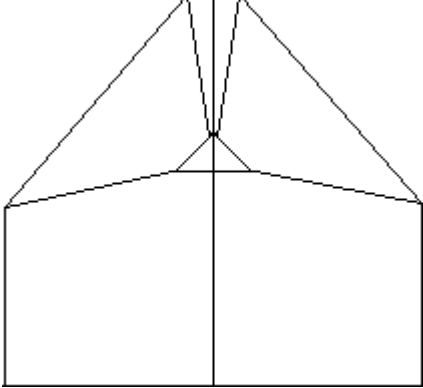
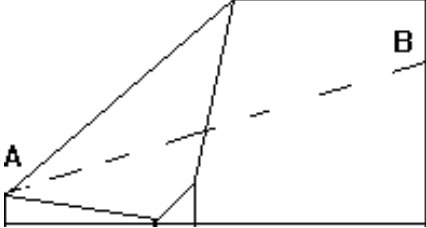
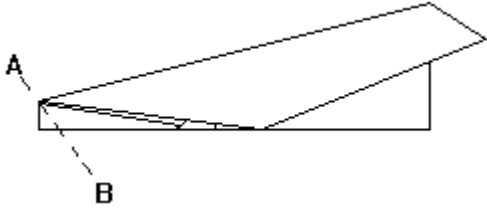



DIAG. 3



Paper Aeroplanes

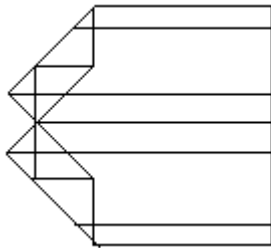

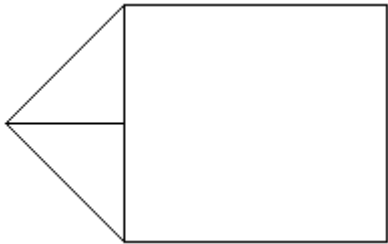
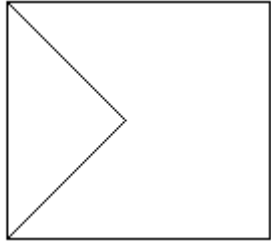
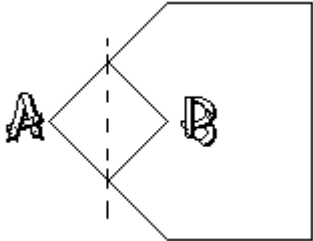
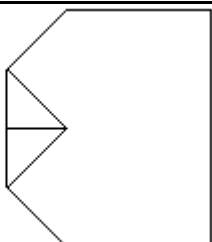


<p>From the form in DIAG. 3 fold the two top corners into the center line again in such a way that you get the form in DIAG. 4</p>	 <p>DIAG. 4</p>
<p>Now fold the small triangle up over the two flaps to give DIAG. 5</p> <p>Fold along the center line so that the small triangle is on the underside of the plane on the outside along with the two flaps as shown in DIAG. 6</p>	 <p>DIAG. 5</p>
<p>Fold along the line AB on DIAG. 6 then turn the plane over and do the same to the other side producing DIAG. 7</p>	 <p>DIAG. 6</p>
<p>Fold along the line labelled AB on the diagram first one way and then the other creasing really well.</p>	 <p>DIAG. 7</p>
<p>Tuck the triangular shaped depression in between the two wings to produce DIAG. 8. This stabilises the plane if you do not make it perfectly.</p>	 <p>DIAG. 8</p>



Paper Aeroplanes

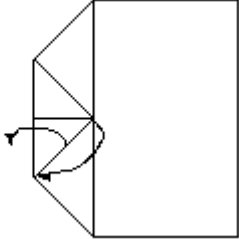
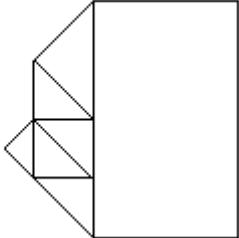
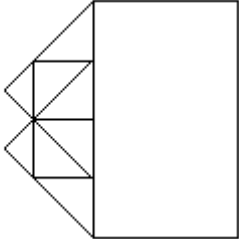
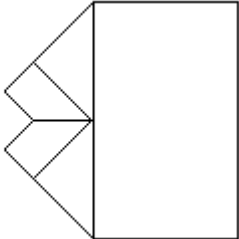
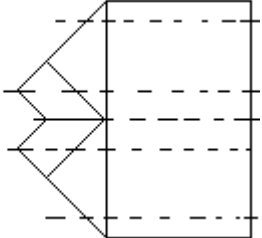



Paper Aeroplane 3 - The Saber	
<p>This paper airplane is a superb glider. It will fly very well if thrown correctly. It has to fly entirely level without one wing higher or lower otherwise it turns off to one side.</p>	
<p>Take a plain A4 size piece of paper as in DIAG. 1</p>	 DIAG. 1
<p>Fold the top and bottom left hand corners into the center as in DIAG. 2</p>	 DIAG. 2
<p>Now fold the entire left hand side triangle to the right to give DIAG. 3</p>	 DIAG. 3
<p>Turn the entire sheet over and repeat the action in the 2ND Step and then turn the sheet back over to give you DIAG. 4</p> <p>Now fold the small left hand triangle to the right along the dotted line in DIAG. 4. making A meet B.</p>	 DIAG. 4
<p>This gives you DIAG. 5</p>	 DIAG. 5



Paper Aeroplanes



<p>Turn the paper over to give <u>DIAG. 6</u></p>	 <p style="text-align: right;"><u>DIAG. 6</u></p>
<p>The two small triangles at the left hand end are flaps of paper. Tuck your finger into the lower of these two flaps and pull it out as shown by the arrows in <u>DIAG. 6</u>. If you do this correctly you will find you have <u>DIAG. 7</u></p>	 <p style="text-align: right;"><u>DIAG. 7</u></p>
<p>Now repeat this process with the other of the two triangles to give <u>DIAG. 8</u></p>	 <p style="text-align: right;"><u>DIAG. 8</u></p>
<p>Now turn the form in <u>DIAG. 8</u> over and you will have <u>DIAG. 9</u></p>	 <p style="text-align: right;"><u>DIAG. 9</u></p>
<p>Fold along the dotted lines in <u>DIAG. 10</u> to give you the form shown head-on in <u>DIAG. 11</u>..</p>	 <p style="text-align: right;"><u>DIAG. 10</u></p>
<p>This can be done in one of two ways. Both fly quite well. See what works best for you</p>	 <p style="text-align: right;"><u>DIAG. 11</u></p>