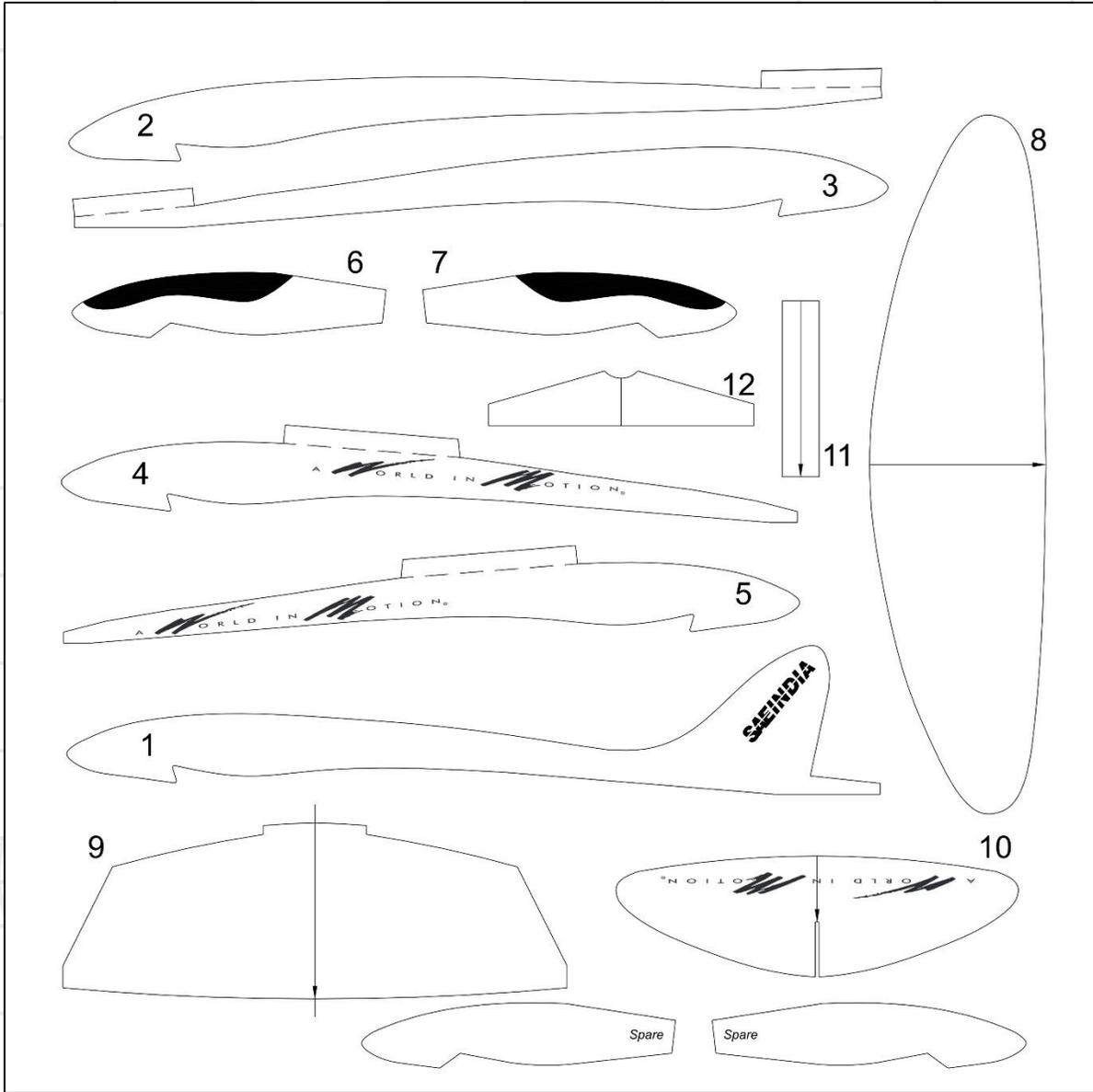
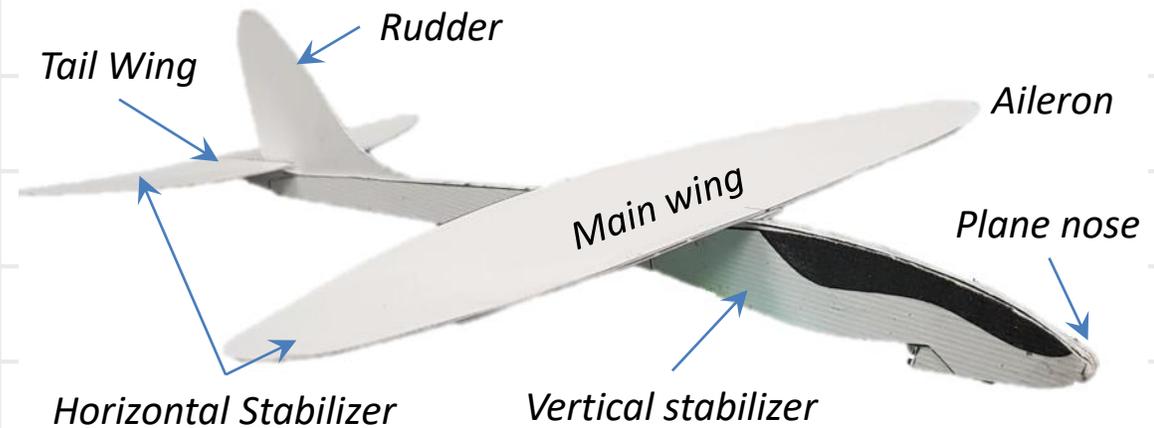


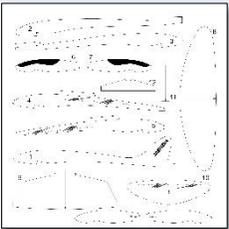
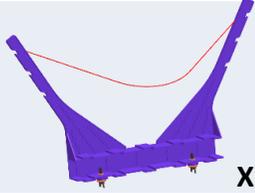
2. Glider making



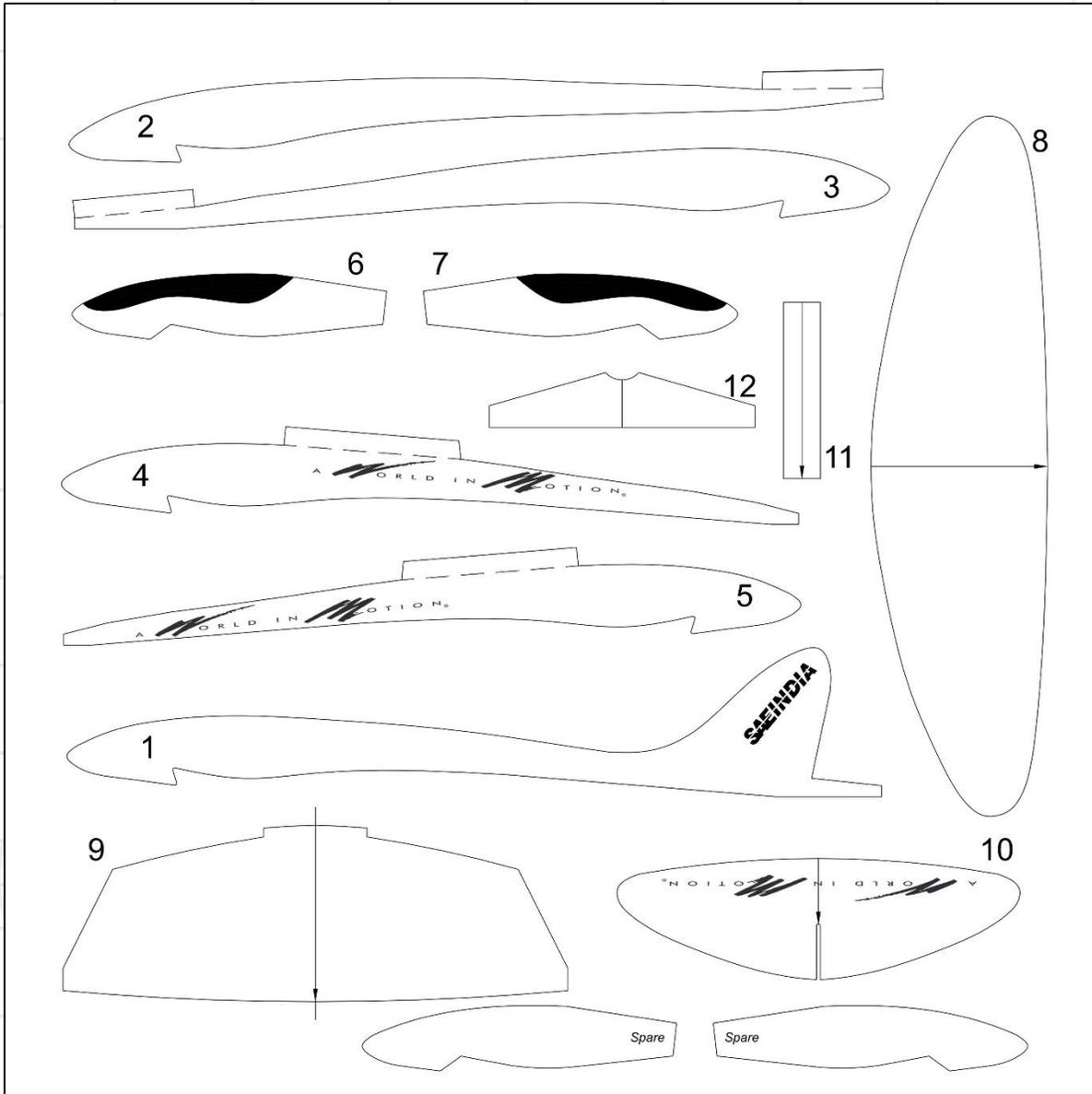
- There are a total of 12 child parts
- Parts 1 to 7 make the Vertical stabilizer of the glider
- Parts 8 and 9 form the main wing
- Part 11 is used as a support between the vertical stabilizer and the main wing
- Part 10 and 12 make the tail wing of the glider.
- 2 piece written as spare are to be used only if the team wishes to use them



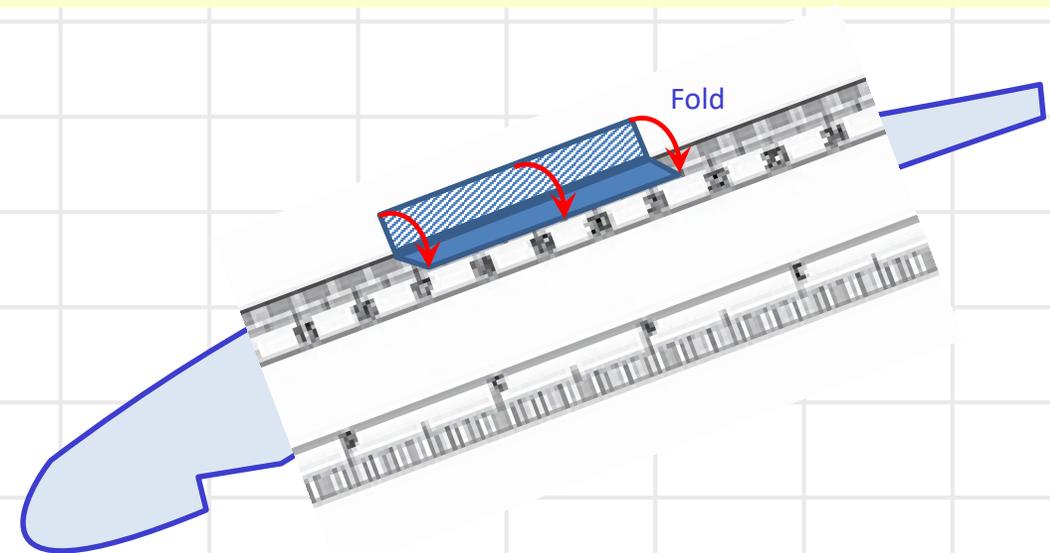
Glider School Kit content for a 40 children, (4 member X10 teams)

Sn	Material	Description	Image & Qty per team	Sn	Material	Description	Image & Qty Per team
1	Main glider sheet for cut out	EEB approved	 X 4 per team	7	Rule book	EEB approved	 X 1 per team
2	Plain A4 sheet for special wings	EEB approved	 X 1 per team	8	Badges	Any spec	 X 4 for team
3	Scissors	Min 35mm (pivot point to cutting tip)	 X 2 per team	9	Launcher	EEB approved	 X 0 for team X1 for track only X 0 for team
4	Fevicol	20 grams	 X 1 per team	10	Rubber band	any (1 packet)	 Pack of 20 for track only
5	Ruler	30cm, plastic	 X 1 per team	11	Weight Washers	10 to 15 grams	 X 0 for team X10 For track only
6	Pen / Pencil	any ball point/ Pencil	 X 1 per team	12	binder clip	25mm	 X 0 for team X 2 For track only

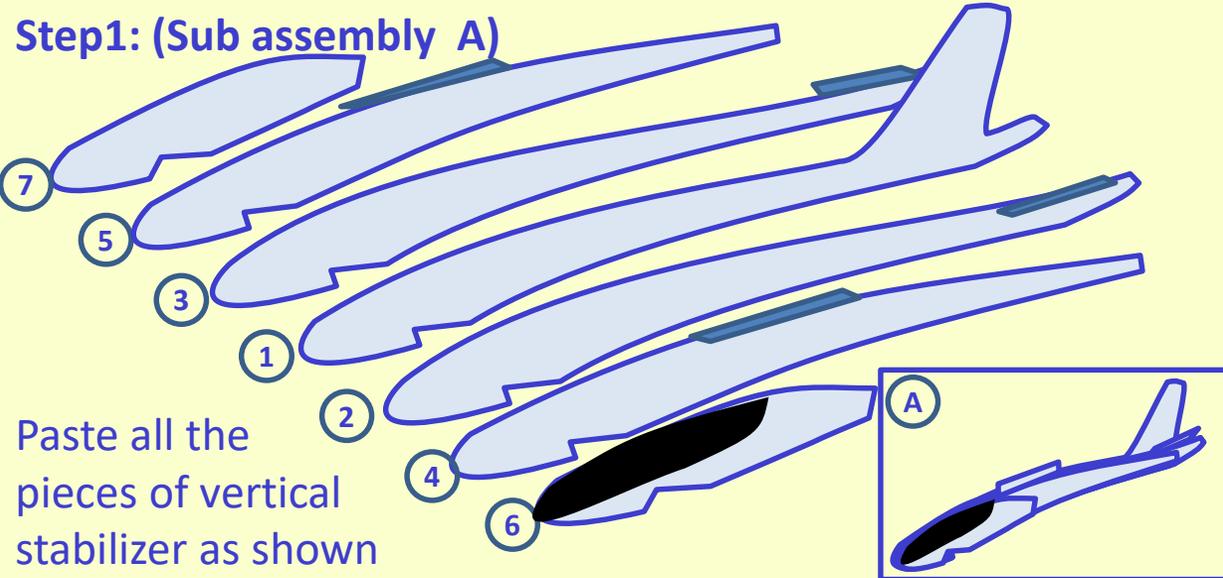
No extra material other than the glue is allowed | Item 1 to 8 are given to each team during toy making



- Cut all the 12 sections along the solid line.
- Bend the section 2,3,4,5 along the dotted line.
- Keep the ruler on top of the dotted line and bend the paper
- *[darken the dotted line using a pen/ pencil for ease in bending].*

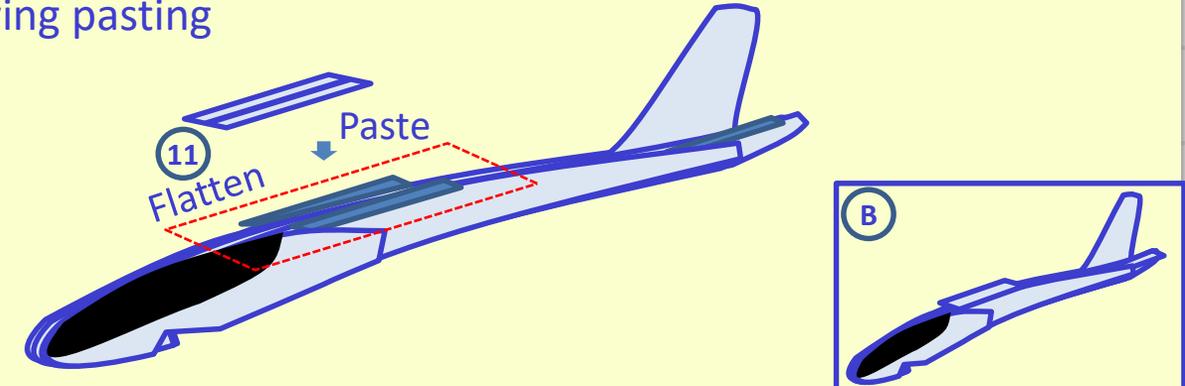


Step1: (Sub assembly A)



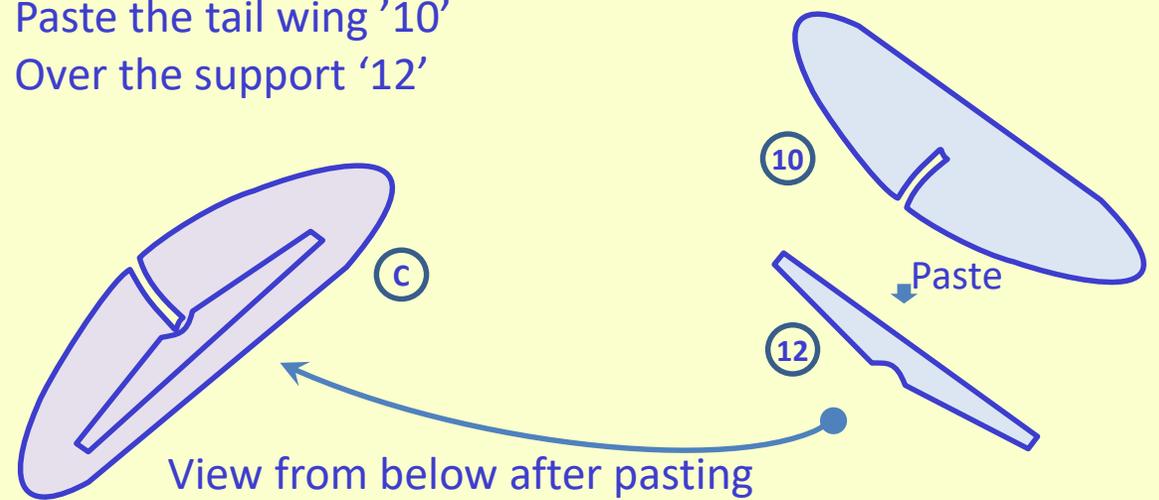
Step2: (Sub assembly B)

Flatten the base (highlighted) for main wing pasting
Paste the support section 11 to create a good base for main wing pasting



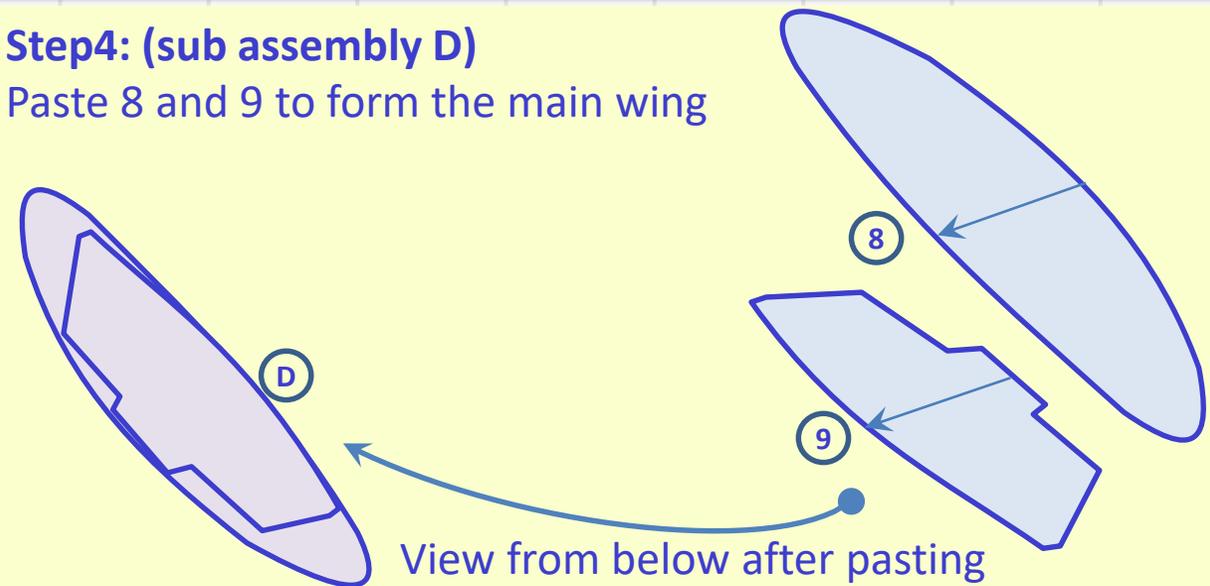
Step3: (Sub assembly C)

Paste the tail wing '10'
Over the support '12'



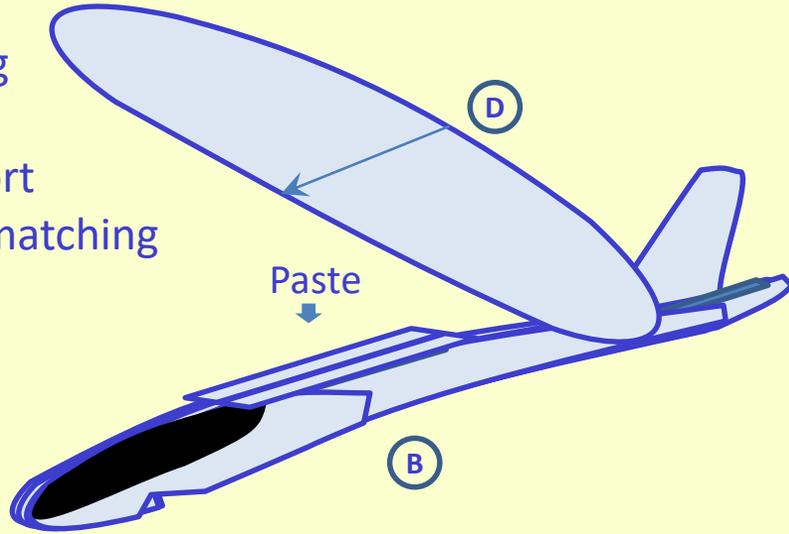
Step4: (sub assembly D)

Paste 8 and 9 to form the main wing



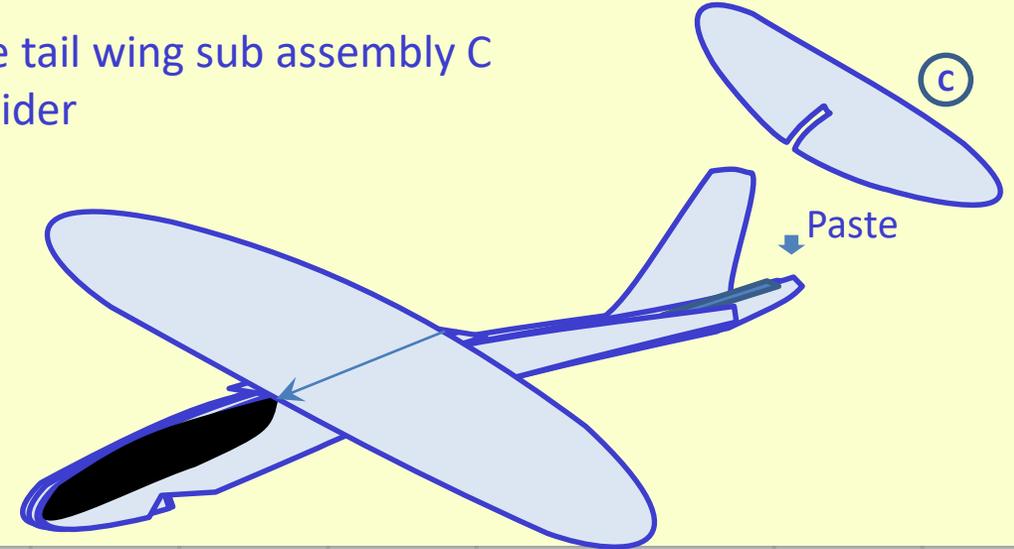
Step5:

Paste the main wing
Sub assembly D
on top of the support
Ensure center line matching

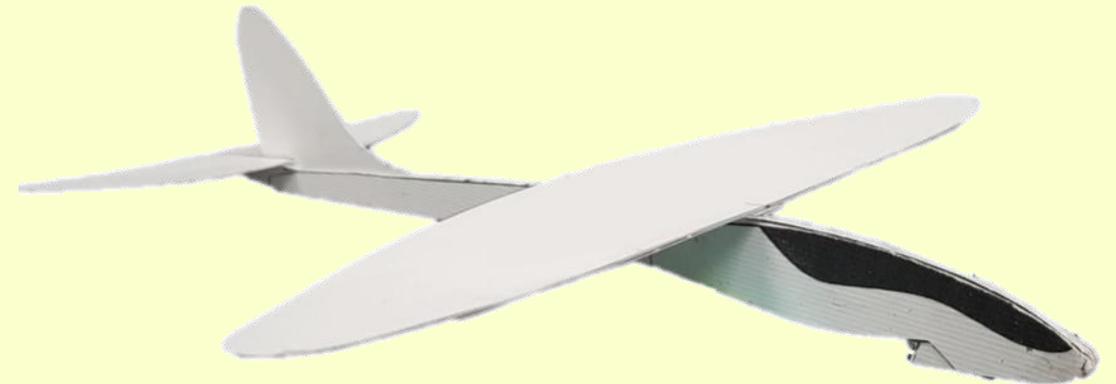
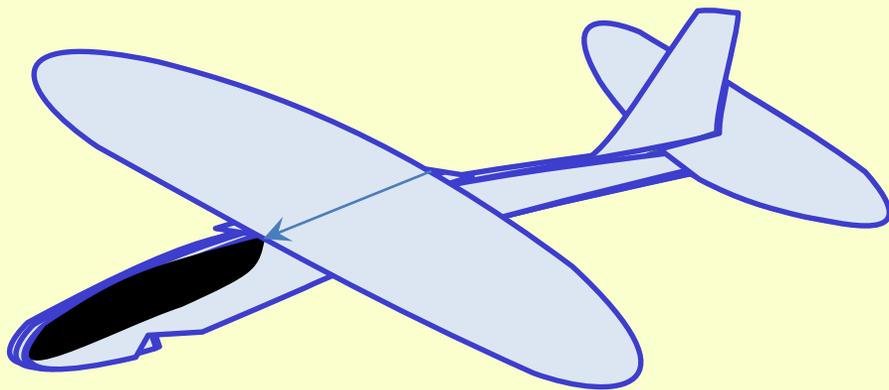


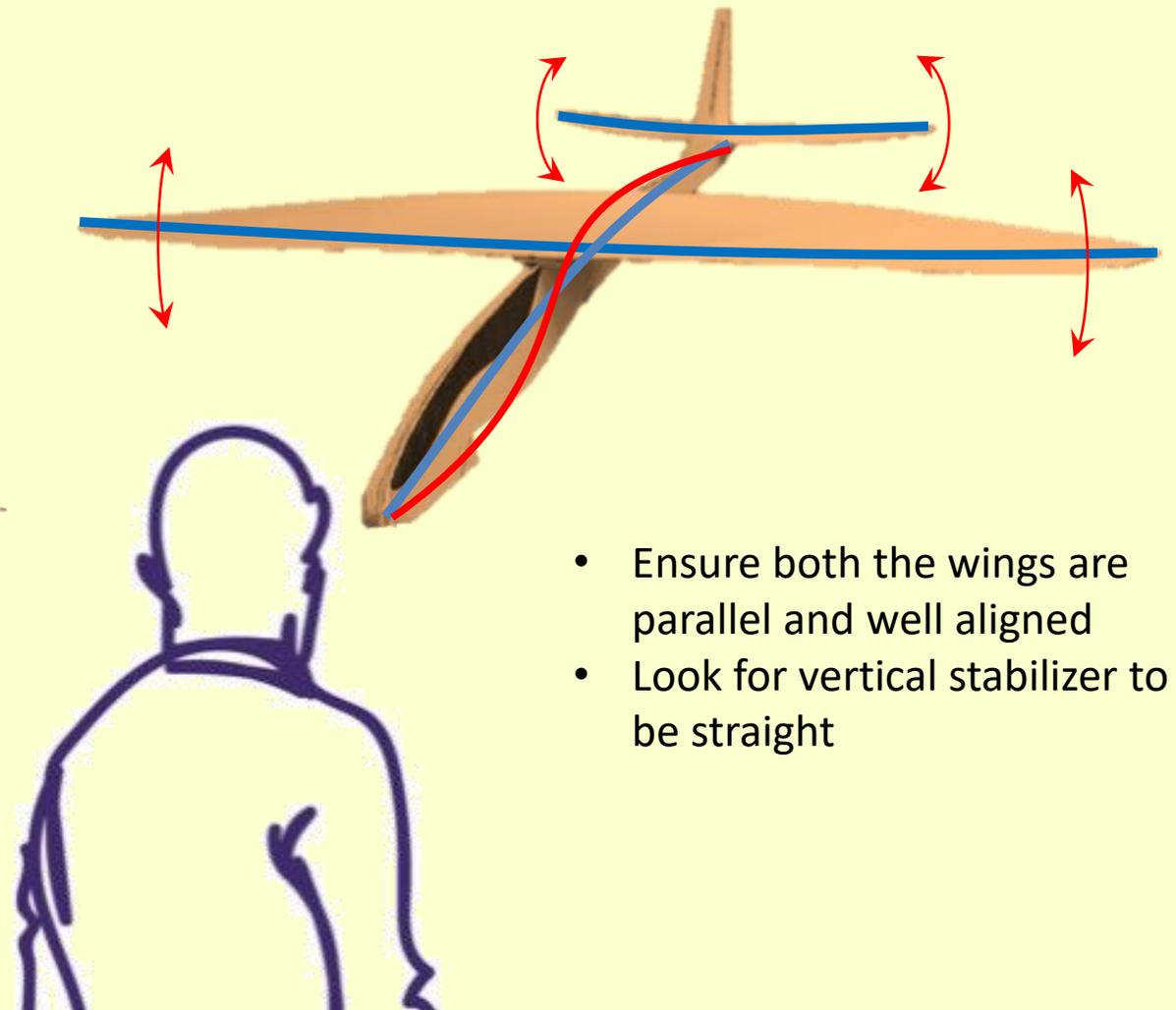
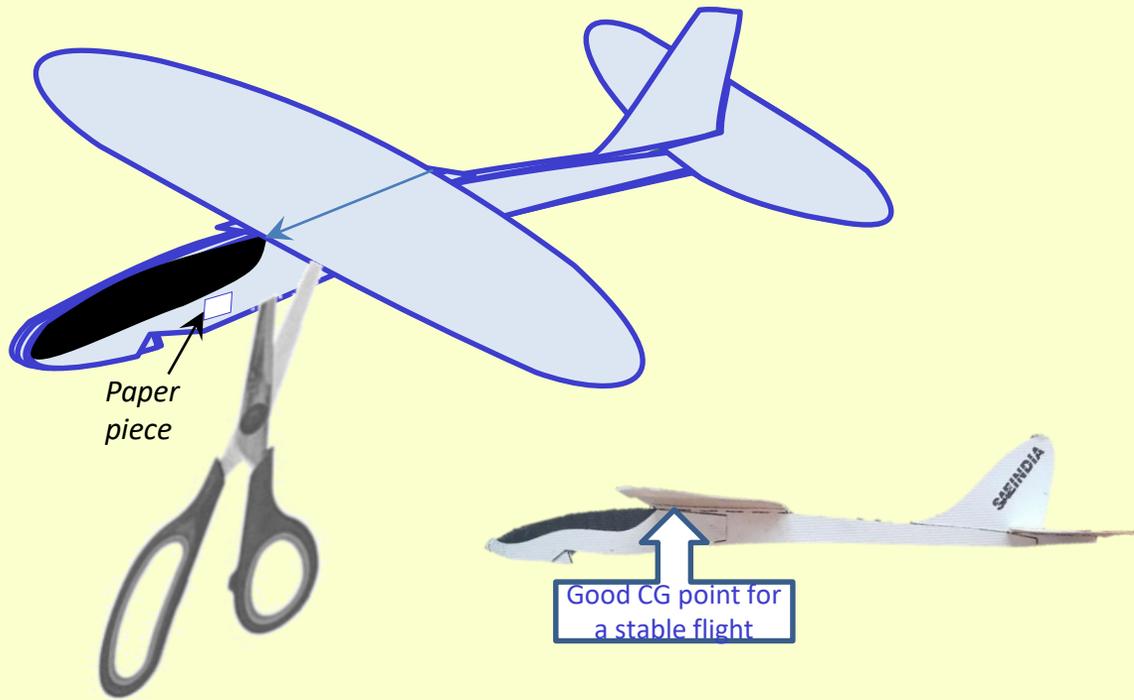
Step6:

Paste the tail wing sub assembly C
on the glider



Finished Glider

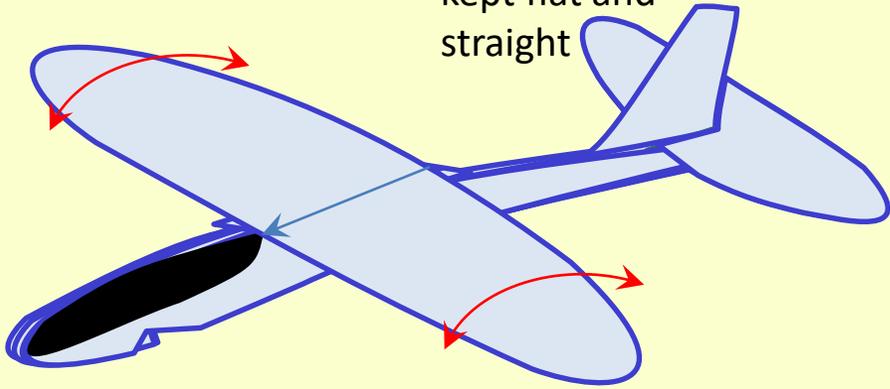




- You could suspend the glider over its wings using the scissors for checking the center of gravity (CG) that team wish to achieve.
- Use small piece of paper for adjustments.

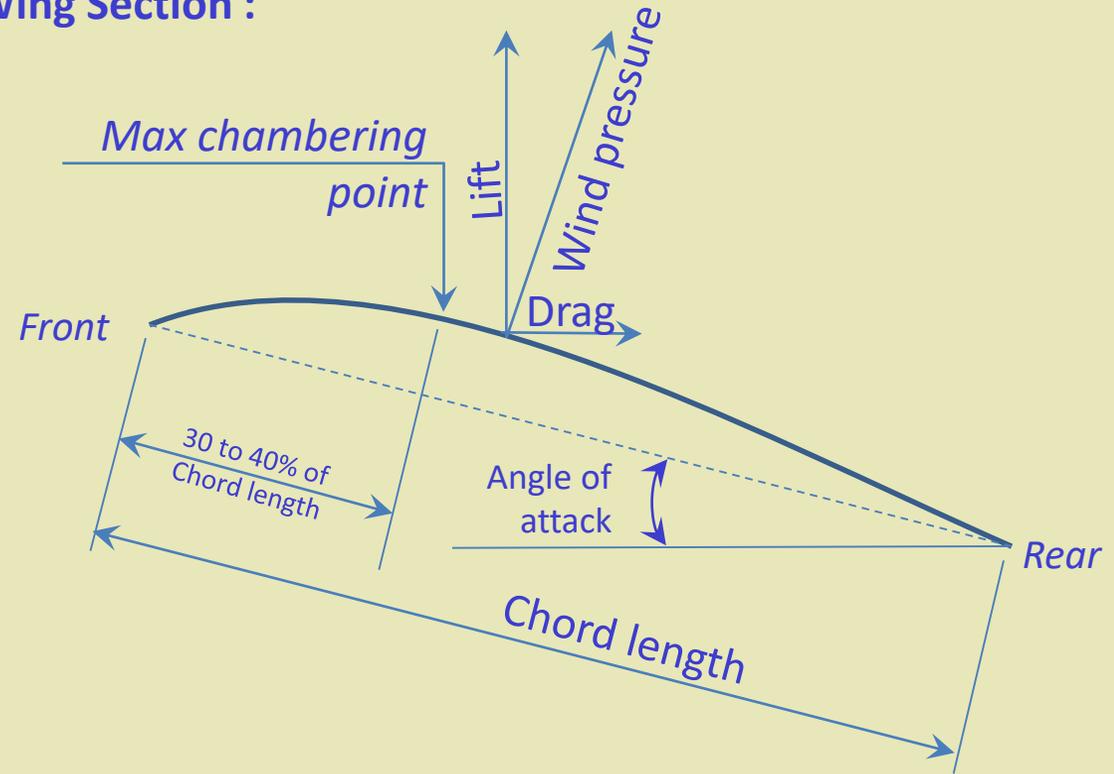
- Ensure both the wings are parallel and well aligned
- Look for vertical stabilizer to be straight

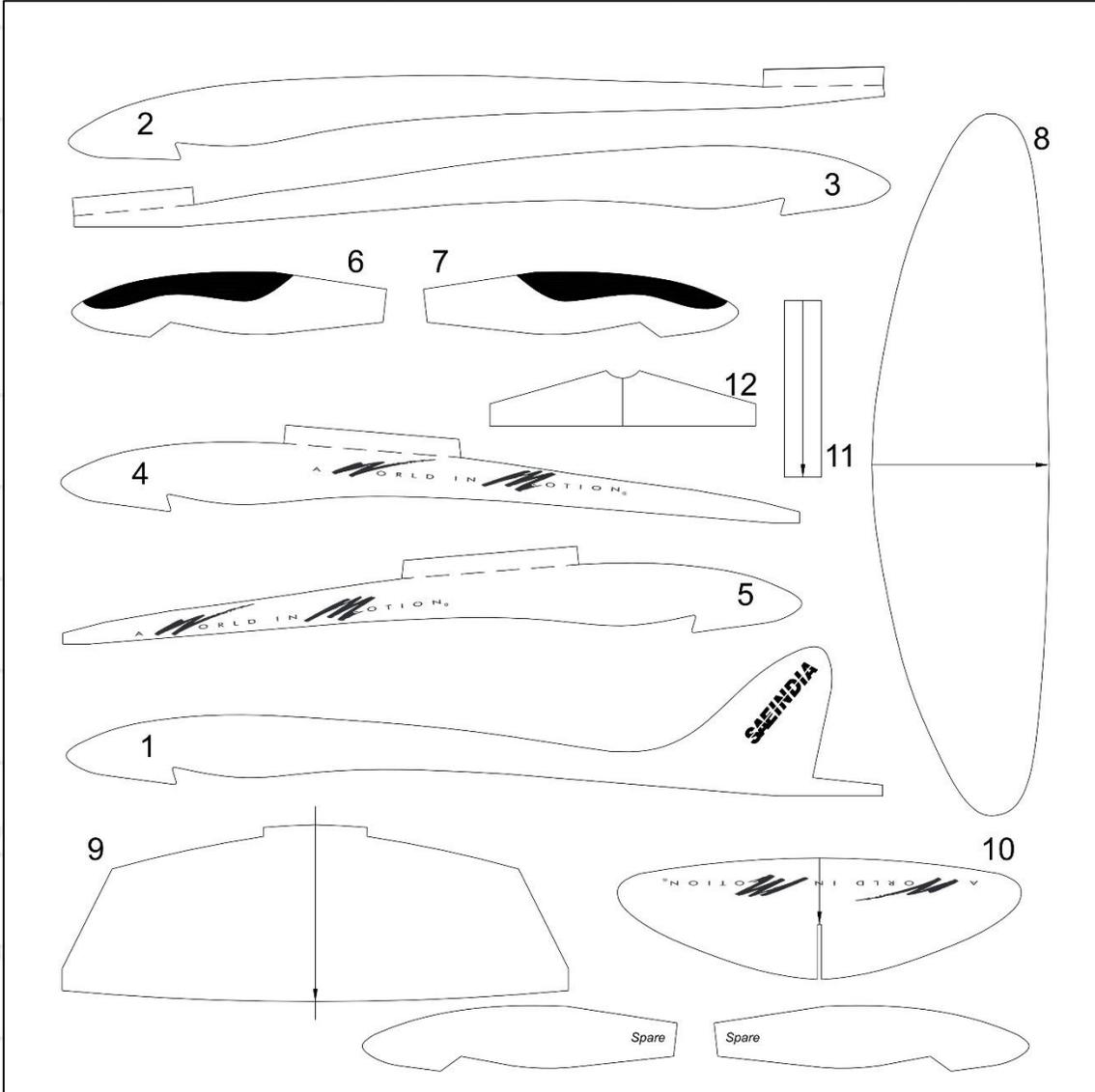
Tail wing to be kept flat and straight



- Try to shape the wings slightly to create a small chamber

Typical Wing Section :





Following parts must be used as it is:

1, 2, 3, 4, 5, 6, 7

Following parts can be modified/ redesigned as per the team's idea:

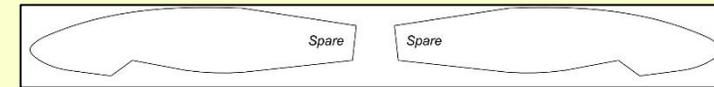
8, 9, 10, 11, 12

So, these parts can be replaced with any different shape. However **NO** extra material other than what is given as a part of the kit is allowed.

It is mandatory to use a wing of at least 100mm width (end to end)



There are 2 spare cut outs for 6, 7. (can be used for CG adjustment)



FAQ:

A team has 4 glider sheets and 1 A4 plain sheet. Can we use all these material to make only 2 or 3 gliders in total. This will give us extra material

Answer: Yes this allowed. But **NO** separate extra material beyond what is provided already is allowed.