

Overall Design



Draw a sketch of the glider you plan to build, including the wing, horizontal tail, vertical tail, and fuselage. Your fuselage should have a length that is $\frac{3}{4}$ of your wing span.

First, draw it as though you are looking from the top down. On your drawing, you should label:

- 1) The length of your fuselage
- 2) The span of your wing
- 3) The chord of your wing
- 4) The distance from the nose of your glider to the front of your wing
- 5) The span of the horizontal tail
- 6) The chord of the horizontal tail

Next, draw a view from the side to show your vertical tail and overall tail placement. Label the width and height of your vertical tail. If your horizontal tail is attached above the fuselage, label the height at which it is attached.

Once you finish this step, build your glider!

Top View

Side View