

Glider Measurement Sheet

Name:

Date:

Period:

Directions

- Measure every dimension listed below using calipers or a ruler.
- Record all measurements in millimeters (mm).
- Measure twice and record both numbers. If they match, you're good. If not, measure again.
- Do NOT start modeling until this entire sheet is filled in.

Part	Dimension	Measurement 1 (mm)	Measurement 2 (mm)
Vertical Stabilizer (upright tail fin)	Maximum height (bottom to top tip)		
	Length (front edge to back edge, at the base)		
	Thickness (how thick the fin is)		
	Height where the front slant begins (from bottom)		
	Height where the back slant begins (from bottom)		
Horizontal Stabilizer (flat tail surface)	Total length (tip to tip)		
	Width (front edge to back edge)		
	Thickness		
Wing (Measure 1 wing panel – both sides are mirror images)	Maximum length (root to tip)		
	Maximum width (front edge to back edge)		
	Thickness at the thickest point		
	Distance from front edge to widest point		
	Root width (where wing meets fuselage)		
	Tip width (if tapered)		

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STUDENT HANDOUT 2

Fuselage (Main body of plane)	Total length (nose to tail)		
	Maximum height (top to bottom, at tallest point)		
	Maximum width (side to side)		
	Height at the rear (narrow end)		
	Length from nose to where body starts to slope down		
	Wing slot: width (front to back of slot)		
	Wing slot: length (left to right across fuselage)		
	Wing slot: depth		
	Wing slot: distance from nose		
	Wing slot: distance from bottom		
	Horizontal stabilizer slot: width		
	Horizontal stabilizer slot: depth		
	Vertical stabilizer slot: width		
	Vertical stabilizer slot: depth		
	Nose weight slot: width		
	Nose weight slot: depth		

Before You Start Modeling — Checklist

- ☐ Every row in this sheet is filled in.
- ☐ All measurements are in millimeters.
- ☐ I measured each dimension twice. If the numbers didn't match, I re-measured.