

Glider Assembly and Reflection

Name:

Date:

Period:

Assembly Checklist — Complete before starting

- ☐ Vertical stabilizer — modeled and saved
- ☐ Horizontal stabilizer — modeled and saved
- ☐ Both wing panels — modeled and saved
- ☐ Fuselage — modeled and saved

Part 1 — Assembly

- Open a new project called: [Your Name] — Assembled Glider.
- Import or copy each part into the workspace one at a time.
- Position the horizontal stabilizer in its slot at the rear of the fuselage.
- Position the vertical stabilizer in its slot at the rear of the fuselage.
- Position both wing panels in the wing slot at the center of the fuselage.
- Rotate and adjust until the model looks like the physical glider.
- Take a screenshot of the completed assembly.

Paste your screenshot of the assembled model below, or sketch it.

Screenshot / Sketch:

Part 2 — Compare Digital to Physical

Hold the physical glider next to your screen. Fill in the table below.

What I compared	How accurate is my model?	What is different?
Overall proportions		
Wing shape (planform)		
Stabilizer placement		
Slot alignment		

Part 3 — Reflection

Which part of the glider was the most accurate in your model? What made it easier to get right?

Which part had the biggest difference from the physical glider? What would you measure or model differently?

3D modeling engineers always say: "All models are wrong, but some are useful."

What do you think that means, based on your experience building this model?

How might the 3D modeling skills you practiced here be useful in the Design Challenge coming up?