

The "Spirit Of St. Stephen" Glider

Wing Template

Centre
line

If you want to add dihedral, use the edge of a ruler to press down and create the centre line of the wing to allow foam to bend without breaking.

Material: Styrofoam ("Depron") meat tray or similar

Trace and carefully cut out (*PARENTAL SUPERVISION*) parts as shown using a razor knife. Cut slots for stabilizer and wing just slightly thinner than the foam thickness so they aren't too loose.

Stabilizer
Template

Note slightly upward angle of stabilizer slot compared to the wing slot. This is important for successful flight.

Stabilizer
slot

Wing slot

Fuselage Template

Use paper clips for nose weight. If plane stalls when thrown, add more nose weight.

To increase performance (by reducing drag), use your thumb and forefinger to squeeze or pinch **ONLY THE EDGES** of the flight surfaces (shown in gray).