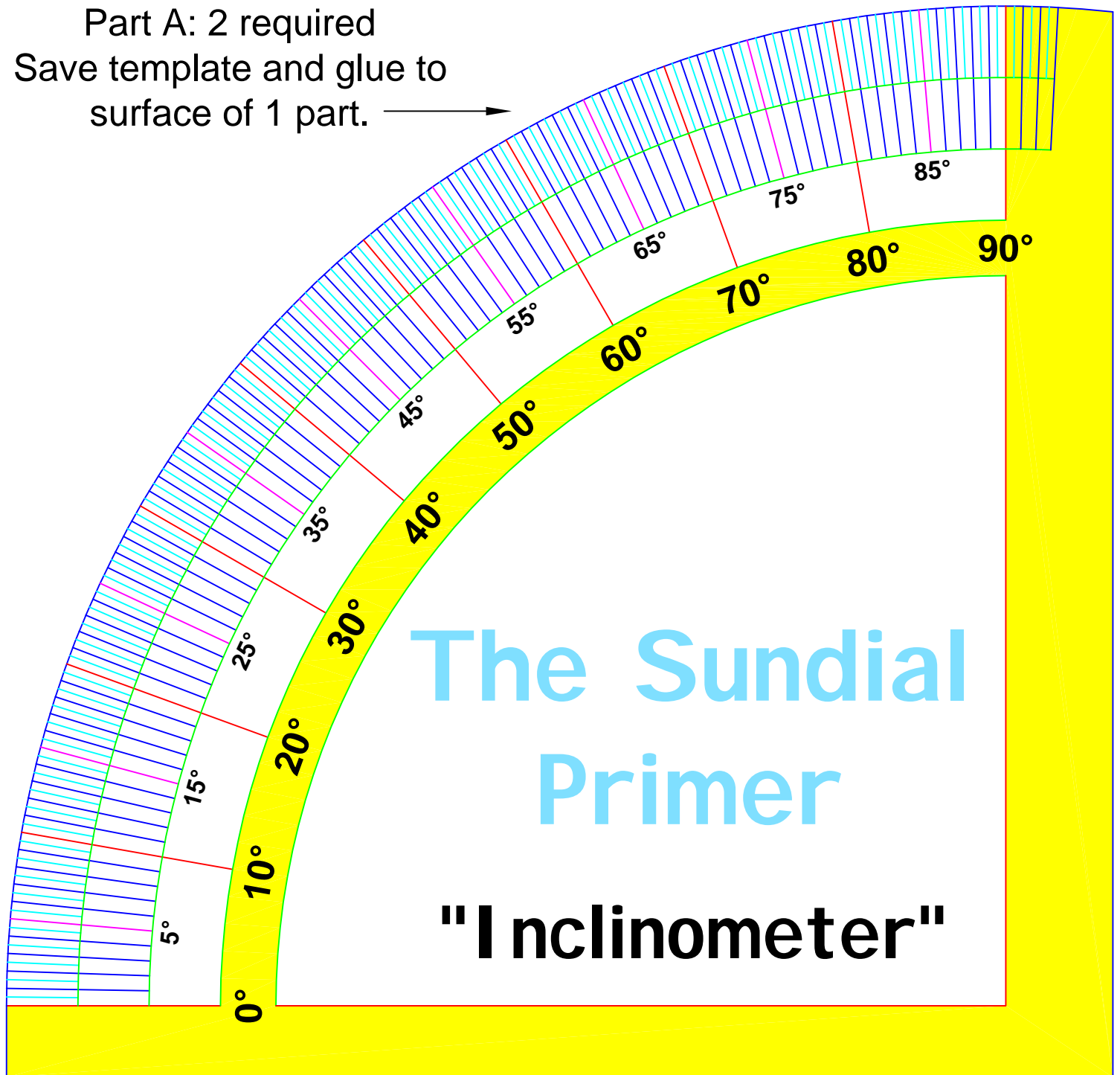
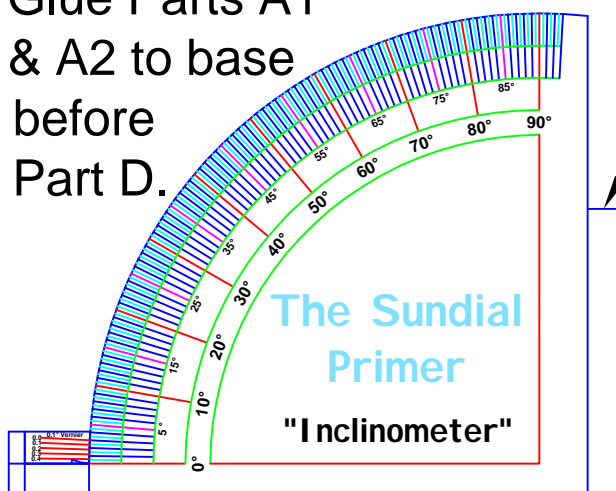


Part A: 2 required
Save template and glue to
surface of 1 part.



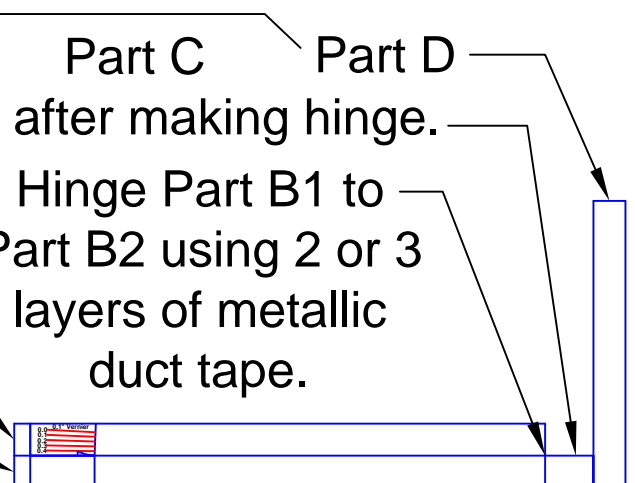
Glue Parts A1
& A2 to base
before
Part D.

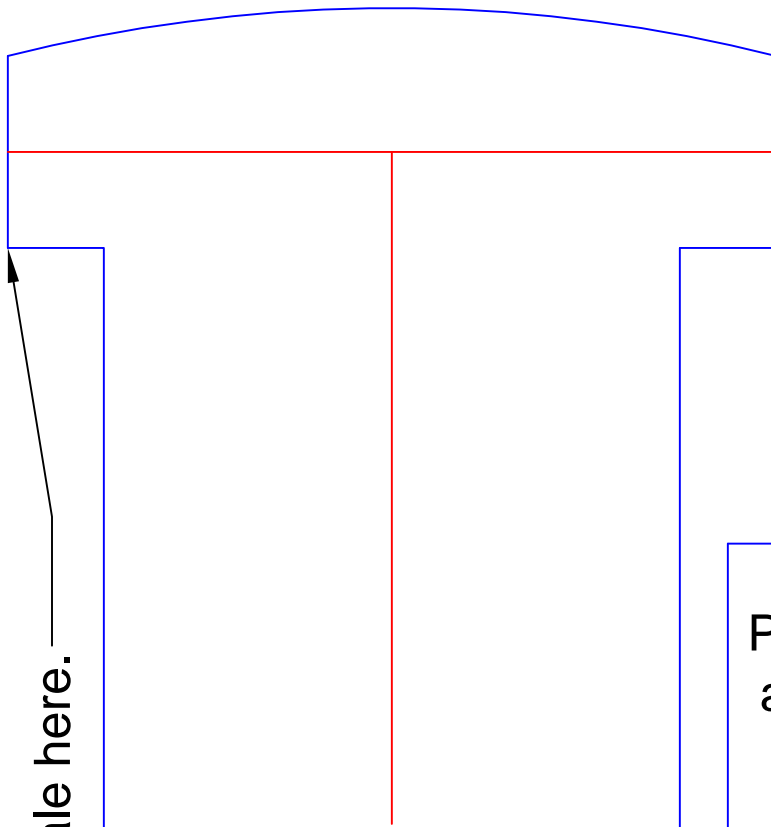


Part C
Part D
Glue on after making hinge.

Hinge Part B1 to
Part B2 using 2 or 3
layers of metallic
duct tape.

Part B1
Part B2



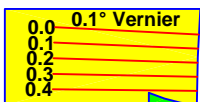


Glue vernier scale here.

The Sundial Primer

"Inclinometer"

Part C: Base
Extension



Vernier Scale

Part B: 2 required
Save template and glue to surface of 1 part. Part B2 is the base and Part B1 with the template is the rotating part. Glue string levels on the horizontal and vertical red lines.

Print the templates on card stock and laminate parts A, B and the vernier scale. Use 1/2" rigid styrofoam for the parts. Use a silicon adhesive (RTV) to glue the part templates to the styrofoam.

Part D:
Back Plate

Glue Part D to Parts A1, A2 and B2 after all other parts are glued in place.

Glue the vernier scale to the edge of Part B1 as shown in the figure. Make sure that the bottom blue line aligns with 0° and the top red line with 3° .