After the student has read the documentation, review the print. Discuss the machining process needed to manufacture only the right side of the part.

Make sure they have faced the end of the part manually, set X and Z, and set the tooling and reference point.

**GOTO**

Begin with the GOTO event. Make sure the tool tip is on the positive side of the Z zero, and just larger than the part diameter.

Set the tool tip at: X = .625”

Z = -.625”

Machine .050” per pass. Do not take the entire amount in one pass!

**Fillet**

Set the tool tip at: X = .625”

Z = -.625”

Fillet = .0625”

**Taper**

Set the tool tip at: X = .900”

Z = -.6875”

Taper angle = 45 degrees

**Radius**

Set the tool tip at: X = .375”

Z = 0”

Radius = .125”