



## Why make/modify tools? ☐ Get exactly what you want ☐ Save money ☐ (Use up old tools) ☐ Be in charge of your own turning destiny!

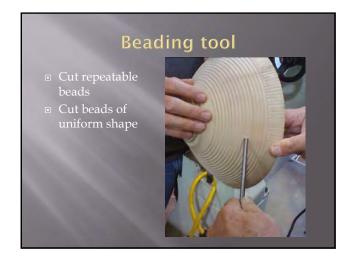


### Examples Thin parting tool from hacksaw blade Small skew for round-nosed scraper Shear scraper Circle cutter/sphere shaper Beading tools from a shallow fluted gouge

















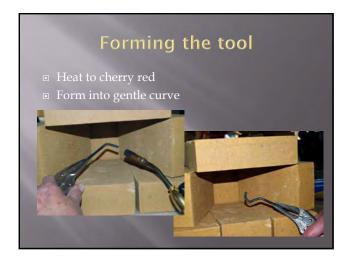




















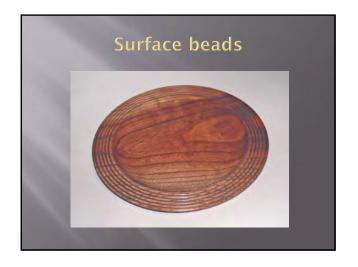


























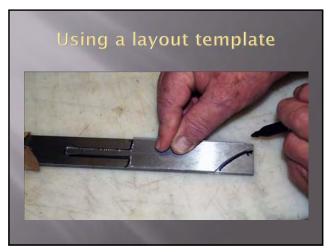






# 3/16" Parting tool – roughing out Use commercial steel blanks Make cutting template Cut steel to length Cut tenon for handle Rough shape blade Grind final shape Polish surface Chamfer edges Mount in handle





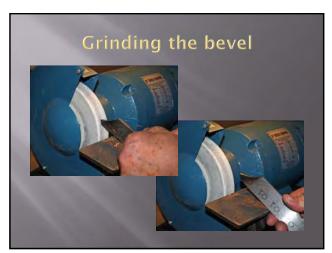


























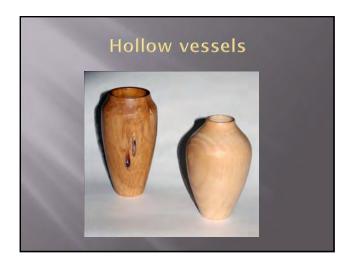




### Blind hollowing tool set

- 45 degree chamfer on tip end
- Drill cutter hole for 3/16 cutting tips

  - One straightOne at 45 degrees
- Drill and tap for set screw
- Grind flat on handle end



















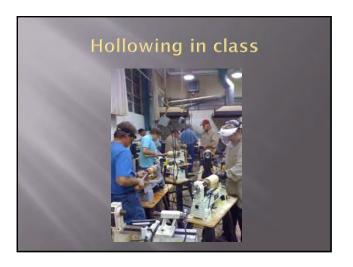




### Some helpful ideas

- Get a catalog from a machine tool supplier

  - Use-Enco.com
  - Thelittlemachineshop.com
- Visit Harbor Freight



### Some helpful ideas

- Dedicate a garage sale sander to metal work

  - 80 grit disc for grinding120 grit belt for polishing
- Make ferrules from plumbing pipe/nipples
- Collect broken tools for later re-use
- 4 " angle grinder with thin cut off blades is

### Conclusion

- We are not tied to what is commercially sold
- Make the unique tool that you really want!
- Old tools can be reused for new applications
- It doesn't take much to get started
- If you develop a great tool share the idea