

Acalenes School District

Guidelines for Turning Program 2007 -2008

Pre-start

- Prepare samples of each turning exercise
 - Bud vase
 - Shallow bowl
- Assure sufficient stock for first rotation
 - 3x3x7 dry hardwood billet for bud vase
 - Green wood bowl blanks for bowls, phase 1
 - Roughed out dry bowls blanks for bowls, phase 2
- Assure work area is prepared
 - Lathes adjusted and clean
 - Tools available and sharpened
 - Face shields available
- Compete negotiations with class room instructor
 - Class schedules
 - Engagement date (start up)
 - Pre-start up demonstration?
 - Clarify roles & responsibilities
 - Establish instructor communication methodology and schedule

Program startup

- Introductions
- Agree on a six-week contract with participants
- Discuss program goals
 - Learn basics of safe wood turning
 - Learn to sharpen turning tools
 - Maintain a safe, clean environment
 - Adhere to instructions and steps provided by instructors

Program phases

- Phase one, introduction to spindles
 - Project goal: bud vase
 - Learning goal: basics of spindle turning
 - Tools:
 - Spindle roughing gouge
 - Skew chisel
 - Parting tools and calipers
 - Shallow fluted gouge
 - Drill bit
 - Process
 - Mount blank on face plate
 - Rough turn with SRG between centers
 - Smooth with skew chisel
 - Use parting tools to transfer dimensions for samples
 - Reserve ½ inch for parting off
 - Create final shape with shallow fluted gouge
 - Complete and sand exterior
 - Drill depth hole
 - Instructor completes interior neck shaping
 - Finish
 - Part off
 - Finish and sign base

- Phase two, rough out green wood bowl
 - Project goal: Roughed out & sealed green wood bowl
 - Learning goal: Use of the deep fluted gouge
 - Tools:
 - Deep fluted gouge
 - Parting tools and calipers
 - Four jaw chuck
 - Depth drill bit
 - Process
 - Mount blank on face plate
 - Rough turn bowl exterior with deep fluted gouge
 - Mark out tendon with parting tool
 - Reverse into chuck
 - Hollow interior with deep fluted gouge
 - Drill depth hole
 - Use three phase cut process
 - Complete for storage
 - Label with date and species
 - Seal with wax solution
- Phase three, complete a dry wood bowl
 - Project goal: Completed bowl for student
 - Learning goal: Use of the deep fluted gouge, bowl scraper
 - Tools:
 - Deep fluted gouge
 - Shallow fluted gouge
 - Parting tools and calipers
 - Four jaw chuck
 - Jumbo jaws
 - Bowl scraper
 - Inertial sander
 - Jam chuck
 - Process
 - Mount blank with jam chuck
 - Re-true base
 - Remount on face plate
 - Re-turn bowl exterior with deep fluted gouge
 - Complete and sand
 - Hollow interior with deep fluted gouge
 - Use three phase cut process
 - Complete with bowl scraper
 - Sand
 - Complete foot
 - Reverse into jumbo jaws
 - Apply tail stock
 - Complete foot with shallow fluted gouge
 - Apply finish off lathe

Advanced projects for returning students

- Base ball bat to specifications
- Natural edge weed pot
- Bigger, deeper bowls
- Candle sticks