

## **GIVE STUDENTS A CONSISTENT TURNING EXPERIENCE. - TOOLS SHAPED THE SAME - MINIMUM GRINDING AND TOOLS LAST**

- USE VARI-GRIND JIG FOR BOWL AND SPINDLE GOUGE (*DON'T FREEHAND SHARPEN*)
- USE PLATFORMS FOR ROUGHING GOUGE, SCRAPER SKEW AND PARTING TOOL
- KEEP GRINDING WHEELS TRUE, FLAT, SQUARE, AND WITH FRESH GRIT
- DO NOT CHANGE SHARPENING SETUPS
- *NEED BE, ASK FOR HELP*



### **GRINDER SETUPS**

We have 3 grinders. Each has a preset adjustable arm on the right and a preset platform on the left. Beginning each school year we will adjust arm length to account for wheel shrinkage.

#### **1. GRINDER ON LEFT**

- Platform set for roughing gouge (45° bevel angle)
- Adjustable arm set for spindle gouge (45° nose angle)

#### **2. GRINDER IN MIDDLE**

- Platform set for skew (40° included angle, 70° skew angle)
- Adjustable arm set for bowl gouge (60° nose angle)

#### **3. GRINDER ON RIGHT**

- Platform on left (shop made) set for scraper (80° bevel angle)
- Plat on right set for parting tool (60° included angel)

*We may sharpen differently at our home shop. But let's cooperate and do our class tools all the same. Kids and coaches will appreciate a common,*

*consistent, experience. This middle-of-the-road approach works well for our classes.*

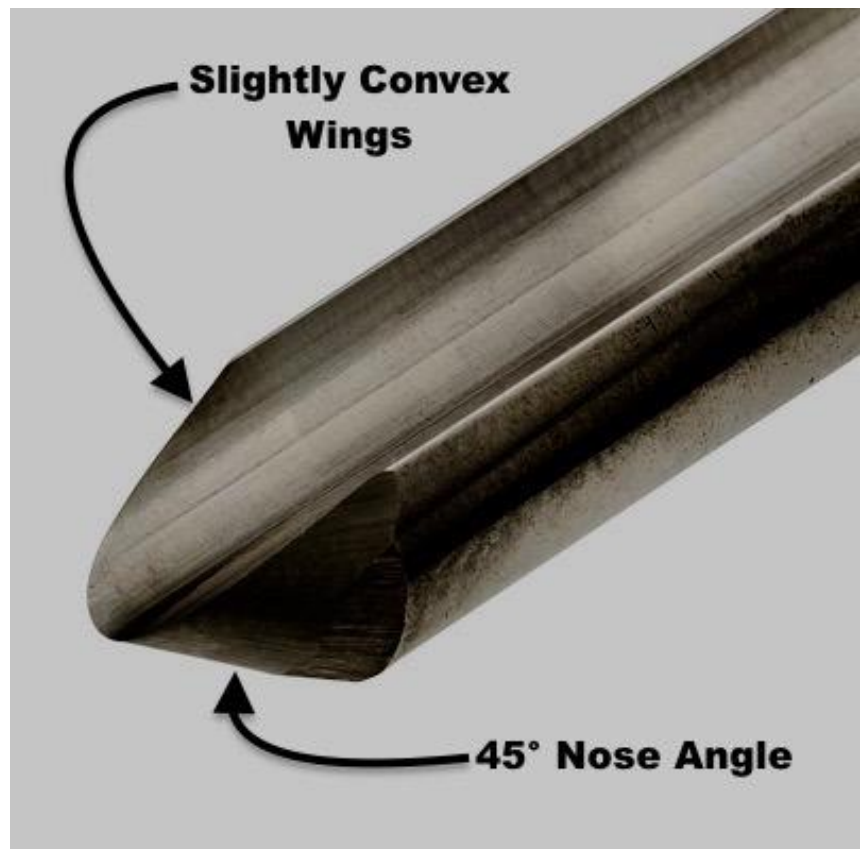
### **BOWL GOUGE**

- 60° NOSE ANGLE
- VARI-GRIND JIG WITH PRESET LEG ANGLE
- PRESET ARM LENGTH
- 1-¾ PROTRUSION
- MODEST WINGS
- WING EDGES SLIGHTLY CONVEX (Rounded up.)



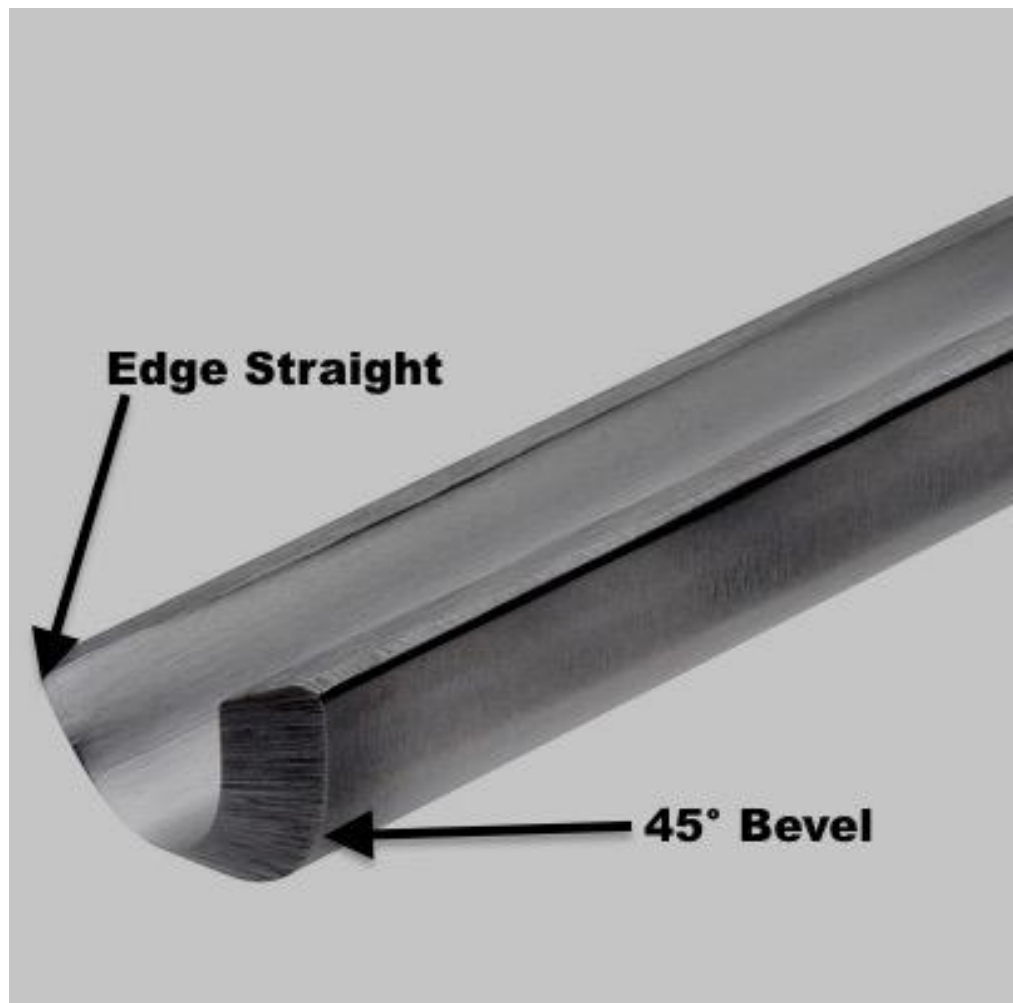
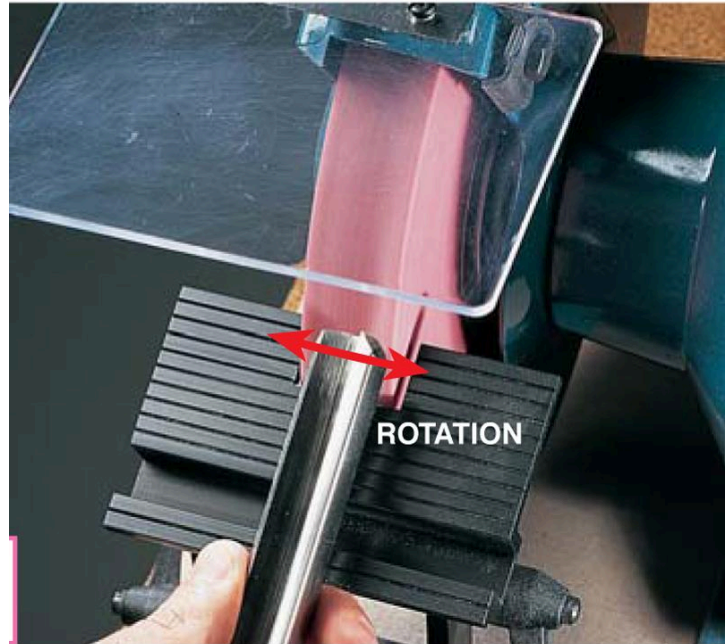
**SPINDLE GOUGE**

- 45° NOSE ANGLE
- VARI-GRIND JIG WITH PRESET LEG ANGLE
- PRESET ARM LENGTH
- 1-¾ PROTRUSION
- MODEST WINGS
- WING EDGES SLIGHTLY CONVEX (Rounded up.)



**ROUGHING GOUGE**

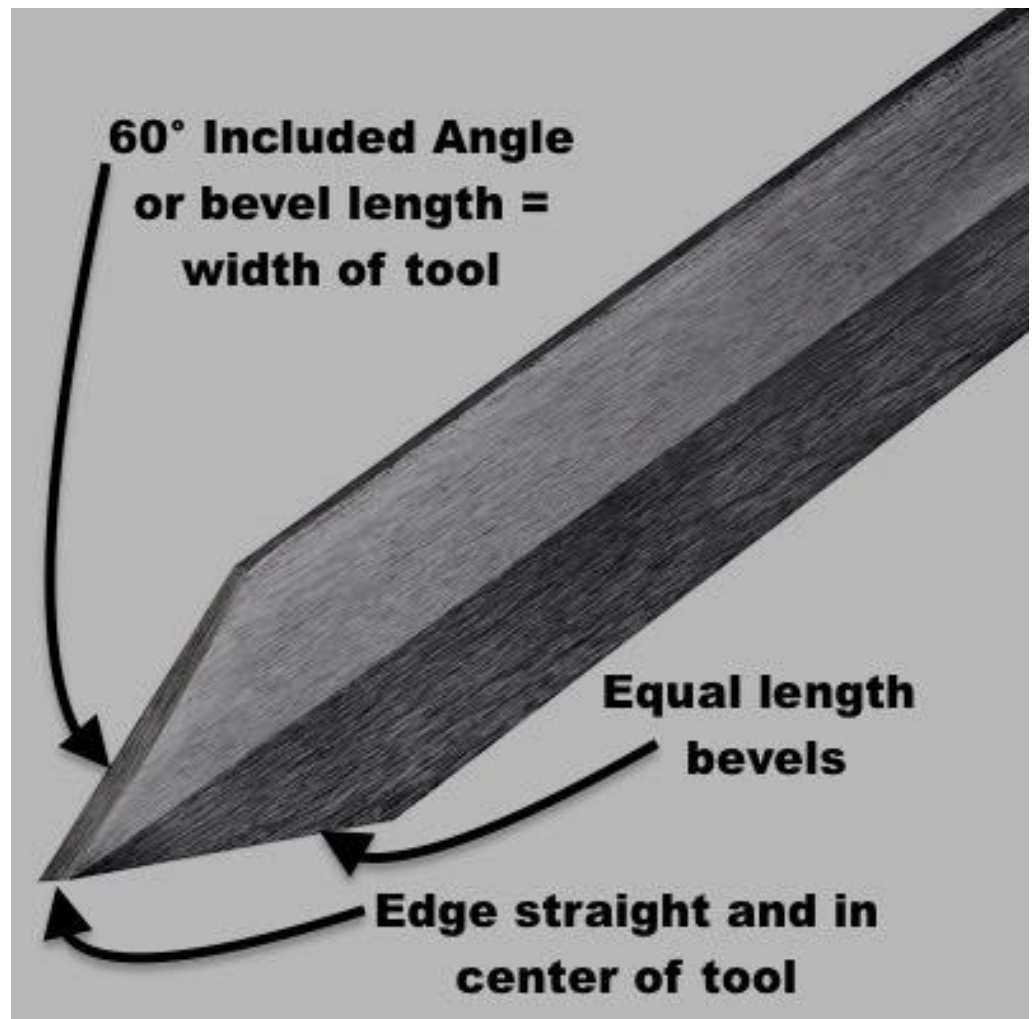
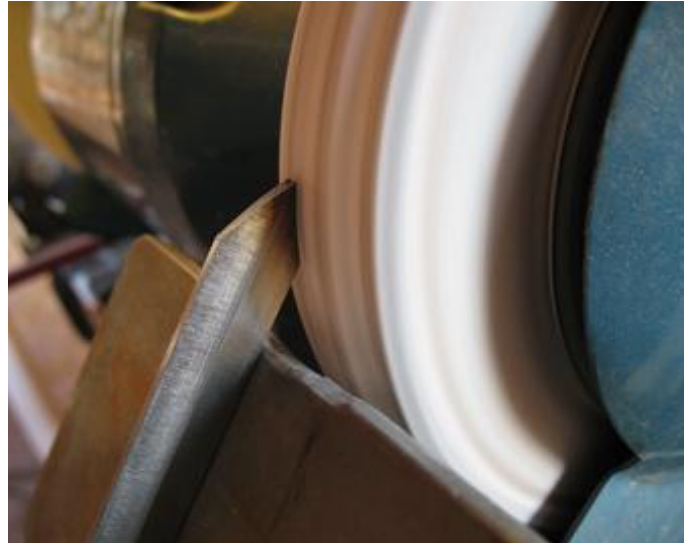
- 45° BEVEL EDGE
- STRAIGHT ACROSS.
- USE PRE-SET PLATFORM
- ROTATE WITH TOOL FLAT ON PLATFORM





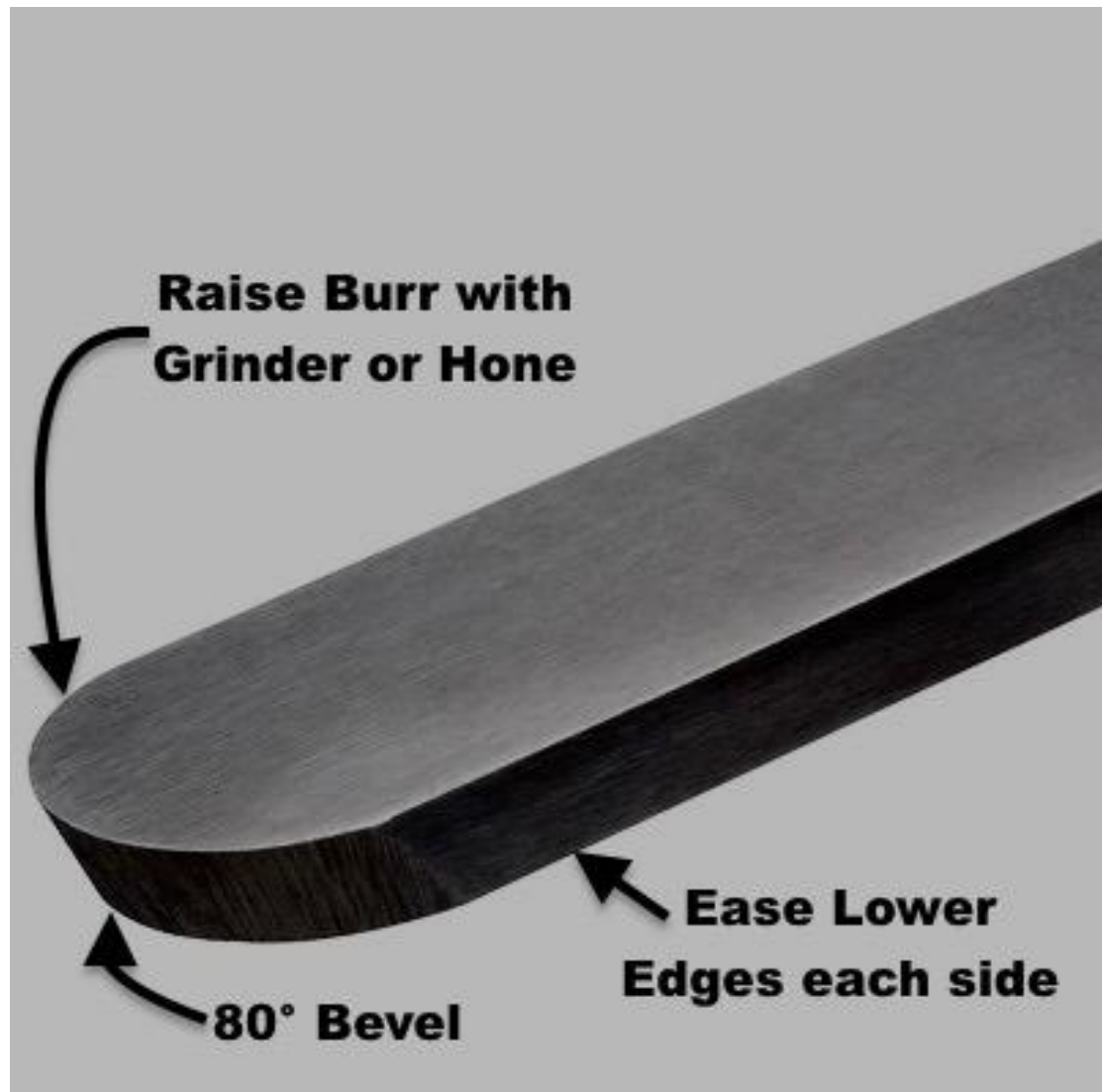
**PARTING TOOL**

- 30° BEVEL (60° INCLUDED ANGLE)
- SIDES GROUND EQUALLY
- EDGE IN CENTER OF TOOL
- GRIND CUTTING EDGE STRAIGHT ACROSS
- REST HAND ON WOLVERINE PLATFORM
- TILT UP TOOL TO MATCH 30° BEVEL.



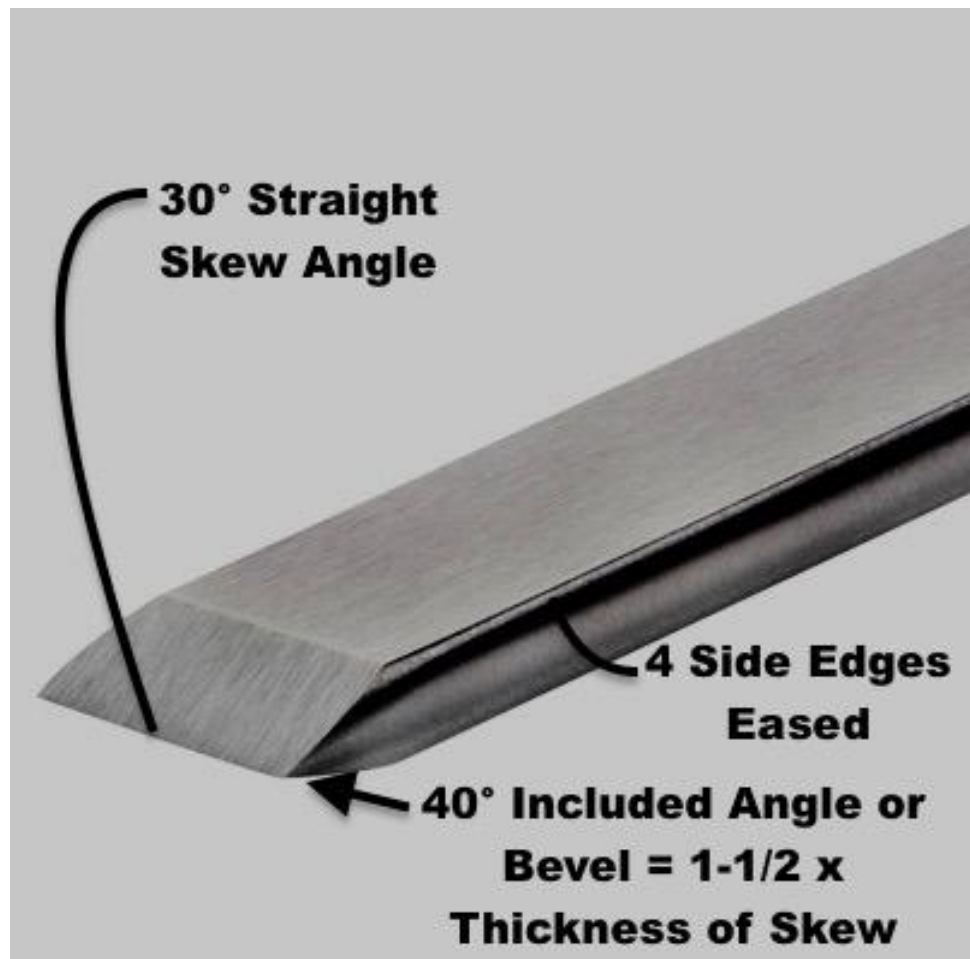
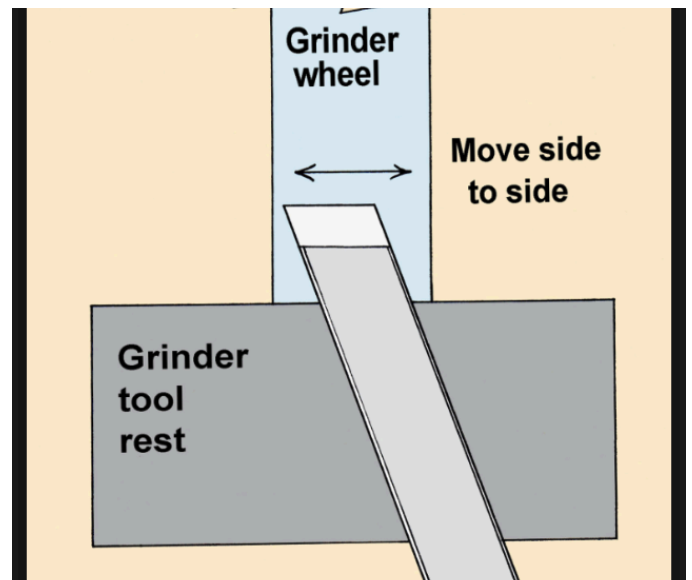
**SCRAPER**

- 80° BEVEL
- USE PRE-SET PLATFORM
- GRIND WITH TOOL FLAT ON PLATFORM



**SKEW**

- 40° INCLUDED ANGLE (Bevel 1-½ times thickness)
- USE PLATFORM with narrow table attached
- MARK BEVEL WITH SHARPIE
- MATCH BEVEL and grind with skew flat on platform
- GRIND 30° EDGE straight across
- GRIND EACH BEVEL EQUALLY



**WOLVERINE VARI-GRIND JIG SETUP**

Leg angle is preset as shown below on each of our 2 jigs.



**Doug Thompson**  
[www.thompsonlathetools.com](http://www.thompsonlathetools.com)