

What About Wood?

TERMS:

HARDWOODS



Image retrieved from www.world-builders.org/.../deciduous/decfor.html

- Deciduous Trees (leaves)
- Short fibers
- Physically harder
- Structurally weaker

SOFTWOODS



rad4realestate.com

christmasfarms.com

- Coniferous Trees (needles)
- Long fibers
- Physically softer
- Structurally stronger

Why Do You Care?

- The harder the wood, the longer it takes to sand & finish
- “HARD TO WORK” usually applies to work by hand tools
- Hardwoods finish better (look nicer)

RED OAK

- HARDWOOD
- Hard & dense
- Easy to work with
- Lots of grain
- Sanding takes a while
- Often has a reddish-brown tint
- End grain has open pores



WHITE OAK

- HARDWOOD
- Hard & dense
- Easy to work with
- Lots of grain
- Greyish-brown
- End grain has filled pores



White Oak on left, red oak on right

BLACK WALNUT

- HARDWOOD
- Not as hard as oak
- Expensive
- Heartwood is darker than sap wood
- Dark



EASTERN CHERRY

- HARDWOOD
- Easier to work than oak; not as dense
- Sands nicely
- Rich color
- Will turn deep red over time



RED ALDER

- HARDWOOD
- “Soft” for a hardwood
- Can be stained to look like black walnut
- Not as expensive



CV Student Devin Dye



CV Student Jacob Seifarth



Corner pieces only

EASTERN MAPLE

- HARDWOOD
- VERY hard; fine grained
- Will take longer to sand



CV Student Delany Lewis



CV Student Scott McDougal

Light wood on cutting boards

WESTERN MAPLE

- HARDWOOD
- Softer than eastern maple
- Lots of burls
- Don't plane by hand



CV Student Abraham Felix

Lip of bowl is maple; body is pine



ELM

- HARDWOOD
- Very dense grain that is interlocked
- Annual ring growth is clearly defined
- Difficult to work with hand tools
- Very shiny



CV Student Scott McDougal

Base is elm



CV Student Sam Peltier

ASH

- HARDWOOD
- Very dense
- Easier to finish
- Tough and strong but also elastic



POPLAR

- HARDWOOD
- Lighter, porous
- Often has a green coloring
- Strong and flexible



CV Student Colton Kelsey



CV Student Kyle Christiansen



PURPLE HEART

- HARDWOOD
- Very dense and hard
- Very difficult to work
- Tropical
- Very expensive



CV Student Delany Lewis

Ends and two of five candle holders

WILLOW

- HARDWOOD
- Looks like black walnut
- Pale with greenish tint



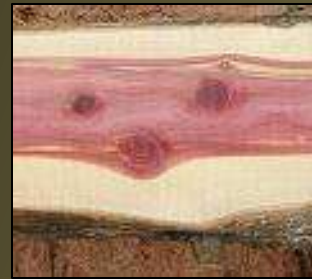
DOUGLAS FIR

- SOFTWOOD
- Softer and easy to work
- Straight, close grain
- Contrast between spring and summer wood
- Splinters easily
- Very Strong



EASTERN RED CEDAR

- SOFTWOOD
- Softer and easy to work
- Unique color variations
- Has a distinct odor
- Resists decay



WESTERN RED CEDAR

- SOFTWOOD
- Softer and easy to work
- Uniform color
- Has a distinct odor
- Resists decay



CV Student Karl Schmidt

PINE

- SOFTWOOD
- Softer and easy to work (like cedar)
- Yellowish - pale color
- Knots near bark will fall out
- Pine has lots of resin

