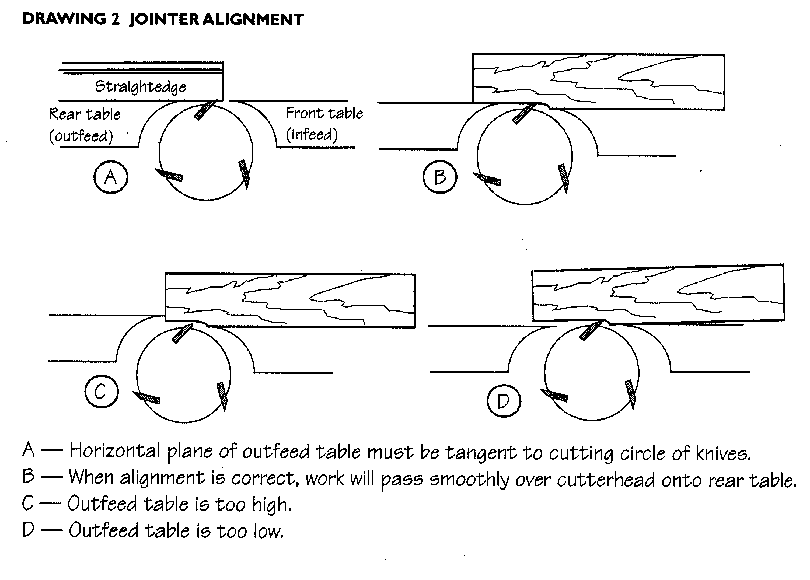
Teaching Notes - Jointer

Time Needed 1:15 (Do checklist as part of demo)

Jointer Checklist Demo Video (16:27)

1. Classroom: Purpose of the machine: *What does a jointer do?*
   1. Make faces flat
   2. Make edges flat
   3. Make edge-face square
   4. Video: Watch first 1-2” of *Tuning a Jointer*
2. Lab: Review Parts & Adjustments
   1. On/Off/Disconnect
   2. Guard
   3. Cutter head, Knives
      1. Height of knives must be = (use wood block to Demo ¼” of movement
   4. Infeed/Outfeed
   5. Essential that they be in the same plane
      1. Adjusting
      2. Too High = Taper
      3. Too Low = Snipe
   6. Setting the outfeed
   7. Fence
      1. Demo Tilt, Squaring, Front to back motion
   8. Rabbeting Table
3. Operations:
   1. Face jointing
      1. Grain orientation
      2. Set depth of cut
      3. Using Push Blocks
      4. Dealing with twist
      5. Thin stock! (must be >3/8”)
   2. Edge jointing
   3. Grain orientation
   4. Hand Pressure
   5. Speed
   6. Tearout
   7. Marking adjacent faces
4. Oliver – review parts; demo Suvamatic
5. Additional Operations
   1. Bevel/Chamfer
   2. Tilt fence Forward/Backward (Advantages/Disadvantages)
   3. Use a bevel for accuracy
   4. Rabbeting
      1. Remove guard
      2. Set depth of cut
      3. Adjust Fence
      4. Pre-kerf stock?
   5. Tapering
      1. Partial
      2. Full - 2 step (Steven’s method)
6. Misc
   1. Safety-Proper finger placement
   2. Stance – esp. long lengths
   3. Min Length (12” – 4/12 rule; 16” preferred)
   4. End Grain & Relishing
   5. Plywood
   6. Watch out for knots and fasteners!
   7. **Leave machine guarded and set for 1/32” when finished**



1. Review Checklist for understanding
2. Review Exercise criteria