Cutting Board Procedure

**MUST WEAR SAFETY EQUIPMENT WHEN ON POWER EQUIPMENT**

 **SIZE:** You will design and build a cutting board, **following safety procedures** and **proper stock breakout practice**. Your final cutting board will be approximately **14”** **(35.5cm)** long by **12” (30.5cm)** wide and **1” (2.5cm)** thick.

**Material:** You will first select cut off material from the sorted bins as specified by the teacher. Make sure to select material that is at least 15” (38cm) long, 1-1/4” (3.5cm) wide and 1-1/4” (3.5cm) thick or larger. This will allow material for stock break out.

\*\* NOTE\*\* - Collect enough material to machine and laminate your entire cutting board.

**Steps:**

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1. Joint a reference **FACE** on all pieces and **MARK** on **FACE.**

**X**

1. Joint an reference **EDGE** on all pieces and **MARK**  on **EDGE.**
2. Plane all pieces down to a height of 1-1/4”(3.5cm) on the thickness planer.
3. Rip all pieces on the table saw to create a edge parallel to the reference **EDGE**.
4. Take all pieces to the gluing table. Grab two bar clamps and laminate with a light coat of glue between each piece and the next. **REMEMBER** to alternating grains as shown in the picture below. Clamp all pieces together with firm pressure.



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1. After waiting one full day for the glue to dry, take the laminated board out of the clamps. Clamp the board to a work bench and scrape off excess glue from surface.

**\*\* NO GLUE MUST PASS THROUGH THE THICKNESS PLANER\*\***

1. Send laminated board through the thickness planer, flipping it over once a flat surface has been achieved. Send it through the thickness planer again, until the board measures 1-1/16” (2.7cm) and is flat. This allows for final sanding to 1” (2.5cm) final thickness.
2. Cut one end of the board with the sled on the table saw to create a square end. Measure 14” from squared end and cut opposite end for a rectangular board.
3. A hole measuring 1” (2.5cm) in diameter is required to be drilled through your cutting board for a handle. This can be on a corner or on an edge.
4. Edges of your cutting board have the option of being routered to a contour of choice.
5. Sand all surfaces **WITH THE GRAIN**. Start with 120 grit and finish with 220 grit.
6. Apply a light coat of **MINERAL OIL** with a rag to all surfaces and repeat 2 more time once dry.