



Learning Tree Jigsaw Puzzle



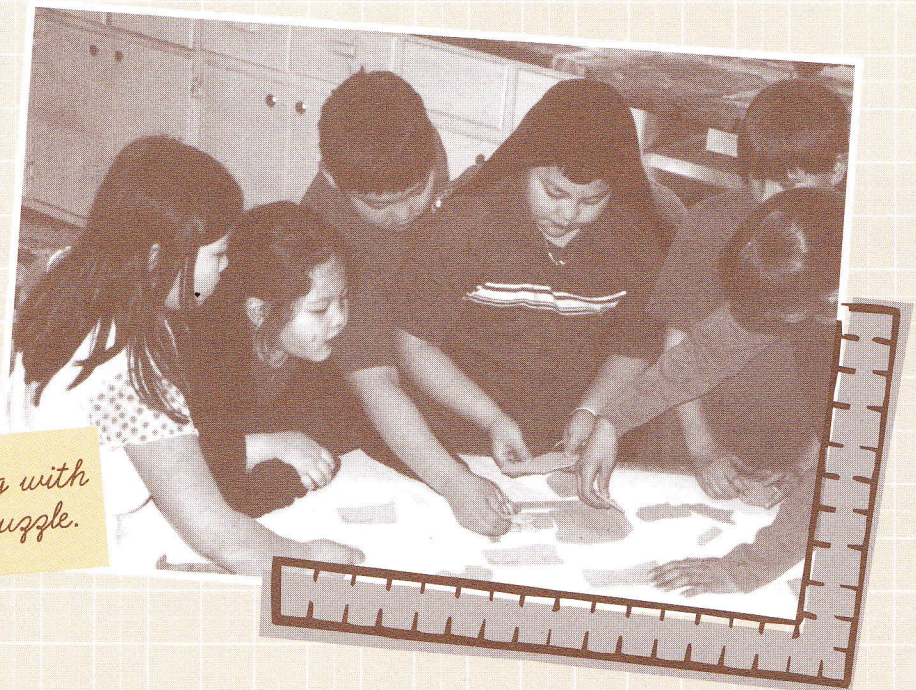
Steps to Take:

- From $\frac{1}{4}$ " thick Baltic birch plywood, rip and crosscut two pieces to $10\frac{1}{4}$ " x $13\frac{1}{4}$ " and designate one of these the puzzle blank, the other the puzzle base. Lay out and bandsaw a $1\frac{1}{4}$ " radius at each corner of the puzzle blank. Next, photocopy the full-sized pattern from next page. Now, center and adhere the full pattern to the puzzle blank.
- Fit your scrollsaw with a sharp #5 reverse-tooth blade. Next, drill a $\frac{1}{16}$ " start hole as shown on the pattern. Following the lines, saw out to the perimeter from this hole, then saw around the outline of the puzzle. Remove the perimeter piece, lay it on top of the puzzle base, and trace the radiused outside corners onto the base. Bandsaw these corners to shape then glue and clamp the perimeter piece to the puzzle base. When the glue has dried, sand the laminated edges of the frame flush. Now, sand the back face smooth.
- Starting at the top of the puzzle blank, scrollsaw in to the tree foliage where shown on the pattern (lines A, B and C), then saw around the outside of the foliage. Now, make three horizontal cuts to separate the alphabet pieces into four rows.
- Saw the remaining puzzle blank where marked, working from the top to the bottom of the pattern. (**NOTE:** to keep track of the pieces, place each one back in the frame as you saw it, and trace its outline onto the base. Mark the back face of each piece to distinguish it from the front.) Next, saw each of the four rows of foliage to separate the alphabet pieces.
- Remove the scraps of pattern, then sand the top face of the assembled puzzle smooth. Next remove the pieces, and paint the top faces to suit your taste pattern. When the paint has dried, position, glue, and clamp the three pieces marked on the pattern to the base. Allow the glue to dry, then apply a clear finish to the frame. When all parts have dried, reassemble the pieces in the frame.
- Apply or paint $\frac{1}{4}$ " high black alphabet letters to the pieces as designated on the pattern. Apply two coats of finish (varnish) to the top face.

Tools Needed: Bandsaw, jigsaw or scroll saw

Bill of Materials

Qty	Item	Specifications
2	Lumber	$10\frac{1}{4}$ " x $13\frac{1}{4}$ " Baltic birch plywood least 9" long
	Paint	several colors
	Sandpaper	
	Wood glue	



Playing with the puzzle.

