

The Bandsaw gets its name from its continuous metal band (blade) with teeth on one side, which creates a continuous sawing action.
Depending upon the width of the blade, the number & shape of the teeth, the bandsaw will cut curves, angles and circles, as well as crosscut & rip. (called re-sawing on very thick pieces).
The Bandsaw is useful when cutting irregular shapes, i.e. dowels (with jig) & small pieces with guides.

		BULLET POINT	Explain & Demonstrate
COMPONENTS Naming components now will ensure greater understanding of subsequent instructions.	SAFETY SWITCH [Fuse box]		UP = Power On. DOWN = Power OFF.
	POWER CONTROL PANEL		EMERGENCY STOP button. Protrudes -TWIST left (CW). BRAKE PEDAL - STOPS blade & Powers OFF. Just as an auto brake - push down until blade stops turning. " I " button = Power On. " O " button = Power OFF.
	BLADE		1/4-inch. 3/8-inch. 1/2-inch. Radius Charts. Lock Knobs.
	BLADE GUARD		Loosen to adjust guard. Lock Knob. Adjust Guard to about 1/8-inch above workpiece.
	TABLE [Cast Iron]		Miter Groove. Tilts LEFT - <i>7-degrees</i> / Right + 45-degrees. Adjustable - LEFT 45-degrees and Right 15-degrees. Lock Handle.
	BLADE TENSION ARM		UP = Blade tension On. DOWN = Blade tension OFF. Set by Monitors at opening & closing
	RIP FENCE ASSEMBLY		Guide Rail. Table front. Cast knuckle. Slides along rail. Lockable in any position. Attaches to Fence. Low = 1/2-inch. HIGH = 5 1/2-inches.
	DUST PORT		Gate MUST REMAIN OPEN. Two dust ports.
	MITER GUAGE		Zero to 90 degrees. Fits in Slot on Table.
	BANDSAW ACCESSORIES		Clamps. "V" Block for round workpieces. Jigs Push Sticks. Feather boards.

<h1 style="color: red; margin: 0;">SAFETY</h1>		<p style="color: red; margin: 0;">Review the SMART CHART. Check blade tracking & guide alignment. Do not use until properly adjusted. If a 'ticking sound' DO NOT Operate. Shut Down. Do not back the Blade out of an errant cut. Power OFF using black pedal. Use a push stick to complete a cut & hold workpiece against the fence. Fingers 3-inches away from blade at all times.</p>
Teaching Steps	Dowels	<p>Bandsaw is only machine in the shop to safely cut dowels. Use Miter Gauge or "V" block jig.</p>
	Teaching Steps	<p>Consistent forward pressure appropriate to the task & workpiece. Feed workpiece into the blade when turning. Do Not twist blade without a forward motion. If the Blade breaks - push the Emergency OFF Button. Use Out-Feed Rollers for long or heavy workpieces.</p>
	<i>Plan. Prepare. Measure. Mark.</i>	<p>Know what you want to accomplish before using the equipment.</p>
	Participants	<p>Review Radi Chart, Smart Chart. Secure the area. Adjust stance to be able to use Black Foot pedal to STOP bandsaw. Cutting dowels. Install Fence HIGH & Low. LOCK KNOBS. Properly set Blade Guard.</p>
	REVIEW LESSON HIGHLIGHTS	<p>Power OFF & Stops blade movement. BLACK Foot Pedal. Avoid long freehand cuts without removing excess material. Relief cuts. Make sufficient relief cuts to allow contour sawing to succeed without bending or jamming the blade. Carefully select the appropriate Bandsaw based on blade width & tooth configuration. Never turn workpiece without applying forward pressure on blade. Lock Knobs. Check all are tightened. Do not overtighten. Please.</p>