

Archbold Area Schools
Industrial Arts 9
Mr. Culler
Spindle Shaper

Safety Rules

- 1.) The stock feeder should be angled slightly towards the fence when using it with the shaper.
- 2.) After the height of the cutter is set, the spindle must be locked into place.
- 3.) Before starting the shaper, turn the spindle by hand to be sure the cutter clears the fence and the table.
- 4.) The wheels on the stock feeder should be 1/8" lower than the thickness of the stock.
- 5.) Install the cutter so the heaviest amount of cut is nearest the table. The largest diameter of the cutter is where the greatest amount of stock will be removed.
- 6.) The fences should be adjusted in towards the cutter to keep the opening between the fences as small as possible.
- 7.) Before beginning a cut on the shaper, test the cut to be made on a scrap piece of lumber first.
- 8.) Stock being fed into the shaper must be fed in the opposite direction that the cutter is turning, always against the rotation of the cutter.
- 9.) Stock should be at least 12" long when shaping.
- 10.) When shaping end grain on narrow stock, a sliding gauge with a hold down must be used.
- 11.) When shaping end grain, use a backer board to help eliminate chip out.
- 12.) Always shape the end grain first so that any chip out that occurs can be removed when the edge is shaped.
- 13.) When making an aligned cut, the outfeed table should be even with the infeed table.
- 14.) When shaping the full edge, the outfeed fence must be offset to compensate for the stock that has been removed.
- 15.) Get instructor approval before operating the shaper.